

Bang & Olufsen

Beovision LX 2502

Beovision LX 2802

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White Line

Beovision LX 2802

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Beovision L 2502

Beovision L 2802

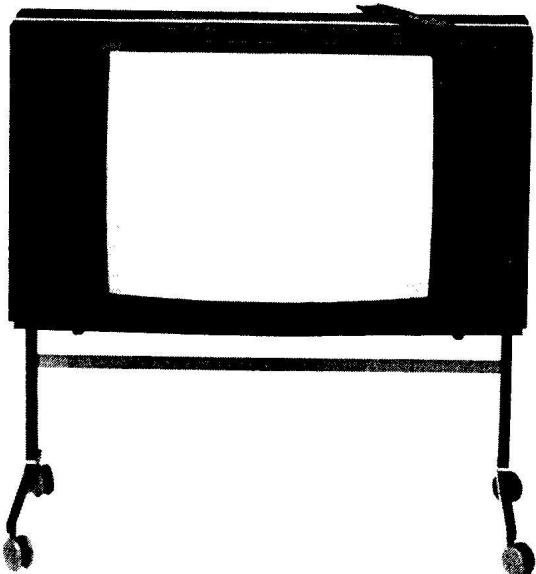
Beolink 1000 Terminal

Tilbehør:

TV-bord
Videobord

Accessories:

TV Stand
Video Stand



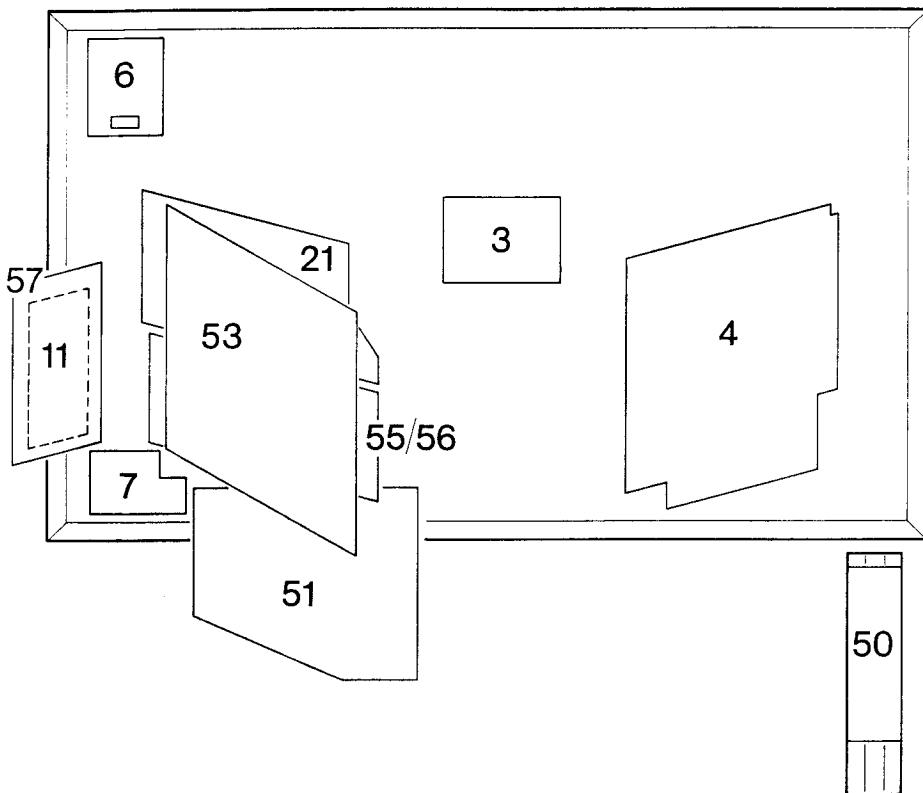
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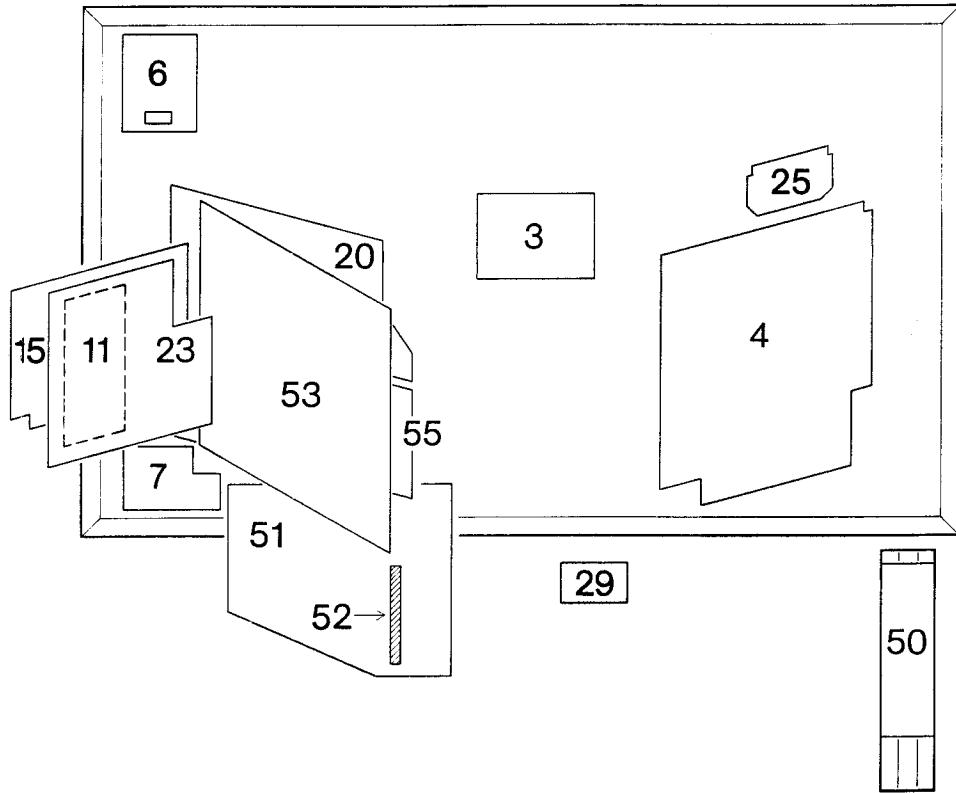
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Beovision L/LX2502 - 2802 system Pal B/G/I

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Beovision L/LX2502 - 2802 system
Pal/Secam B/G/L

TECHNICAL SPECIFICATIONS

BEOVISION L/LX2502 – L/LX 2802	
Picture tube size	Beovision L/LX2502 25" - 63 cm
	Beovision L/LX2802 28" - 70 cm
Cabinets	White, metalgrey or wood
Operation	Beolink 1000
Datalink system	Beolink
Features	Compatibel to older Beocord Video
	Stereo sound
	Stereo enhancement
	Bilingual sound
Number of programs	32 VHF-UHF, S-channels
Range	VHF 46-300 MHz
	UHF 470-855 MHz
Picture tube	45 AX 110° in line self converging
Start time	Approx. 5 sec.
Aerial impedance	75 Ω coaxial
Sound power output	2 x 15 watts/8 Ω
Frequency range	25 Hz - 20,000 Hz ±1.5 dB
Bass control	±8 dB/100 Hz
Treble control	±8 dB/10,000 Hz
Power supply	180-265 volts
Power frequency	50-60 Hz
Power consumption	95 (75-165) watts
Stand by	3.5 watts
Dimensions W x H x D/Weight	Beovision L/LX2502 - 78 x 48 x 42 cm/37 kg
	Beovision L/LX2802 - 86 x 52 x 46 cm/43 kg
Connections	
Headphones output	Max. 7.5 V/200 Ω
External speakers	4-8 Ω
AUX3 A/V Socket 6 pin DIN	Video output 1Vpp 75 Ω
	Video input 1Vpp 75 Ω
	Audio input 1V 47 kΩ
	Audio output 1V 1 kΩ
AUX2 A/V Socket 21 pin	Video output 1Vpp 75 Ω
	Video input 1Vpp 75 Ω
	RGB input 0.7 Vpp 75 Ω
	Fast blanking 2 V 75 Ω
	Audio input 1V 47 kΩ
	Audio output 1V 1 kΩ
	IR-codes pin 8 2Vpp
	Control voltage pin 8 >9.5 V
Tape output 5 pin DIN	1 V 1 kΩ
Amp. output 5 pin DIN	0-1 V 2.5 kΩ
AUX1 Audio Line 7 pin DIN	Input 350 mV 47 kΩ
	Output 1 V 2 kΩ
	Datalink In/Out
All signalvalues are corresponding to 100% modulation	
Accessories	
Table with castors	Type 3072
Videostand	Type 3073-3074
Stereo headphones	Form 1 – Form 2
Loop amplifier	8930980

Installationskit for:

Teletext S-D-GB-I-F	8003961
Antiope	8003486
Secam East	8003485
NTSC 4.43 MHz	8003814
NTSC A/V 3.58 MHz	8003840
NTSC A/V-RF 3.58 MHz	8003983
Secam L	8003910
Sound Converter 6.0 MHz	8003400
Sound Converter 6.5 MHz	8003396
Satellite	8930220

Type Survey

Beovision L/LX2502			Beovision L/LX2802			Variants	
White	Wood	Metallic	White	Wood	Metallic	Colour	System
	3841	3861		3801	3821	EU	PAL B-G
3482	3842	3862	3462	3802	3822	EU*	PAL B-G
3485	3845		3465	3805		EU*	PAL/SECAM B-G
		3866			3826	GB	PAL I
3487	3847		3467	3807		GB*	PAL I
	3852	3872		3812	3832	F	PAL/SECAM L-B-G
3493	3853		3473	3813		F MULTI**	PAL/SECAM L-B-G
3494	3854		3474	3814		EU MULTI*	PAL/SECAM L-B-G
3496	3856		3476	3816		AUS*	PAL B
	3858			3818		I*	PAL B-G
3497	3860		3477	3820		GR	PAL/SECAM B-G

*Teletext Built-in

Fast text program identification

5 character S-D-GB-I-F

Teletext Memory

8 pages

**Antiope Built-in

Transposer included

For French Band 1 (Secam L)

Subject to change without notice

DIAGRAMFORKLARING

De enkelte diagramsider er foroven betegnet med et bogstav f.eks. DIAGRAM A.

Komponenttryk og koordinatsystem

PCB-enhederne er forsynet med komponenttryk og koordinatsystem på både print- og komponentside.

På diagrammerne er alle komponenter forsynet med positions- og koordinatnumre. D.v.s. fra diagrammet er man i stand til at finde en given komponent i et kredsløb på den rigtige PCB-enhed ved hjælp af disse numre.

Ledningsforbindelser på diagrammerne

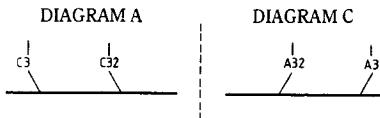
Nogle af ledningsforbindelserne på diagrammerne er samlet i »bundter«. Hver enkelt af disse ledninger er forsynet med en kode, der fortæller hvortil de går.

INTERN FORBINDELSE PÅ EN DIAGRAMSIDE



Interne forbindelser på en diagramsider er angivet med et tal, knækket på ledningen viser i hvilken retning den anden ende af ledningen findes.

FORBINDELSE TIL EN ANDEN DIAGRAMSIDE



Forbindelser til en anden diagramsider angives med et tal, samt bogstav betegnelsen på det diagram, forbindelsen går til.

Stelsymboler

Der anvendes tre forskellige stelsymboler i diagrammerne som vist:

 = Stel der ikke er galvanisk adskilt fra lysnettet (anvendes på diagram F, PCB4).

 = Stel

 = Signalstel

KEY TO DIAGRAMS

Each individual diagram page is marked by a letter at the top, e.g. DIAGRAM A.

Component print and co-ordinate system

The PCB units have component print and a co-ordinate system both on the print and on the component sides.

In the diagrams all components have position and co-ordinate numbers, with the result that it is possible to find a given component in a circuit on the correct PCB unit by means of these numbers.

Cable connections in the diagrams

Some of the cable connections in the diagrams are assembled in »bundles«. Each individual cable has its own code which tells to where it leads.

INTERNAL CONNECTION ON A DIAGRAM PAGE

2-1

2-1

Signalveje og markering på IC'erne

Signalvejene er vist på diagrammerne ved hjælp af kraftigere optrukne streger og pile. Der anvendes tre forskellige typer pile som vist:

 = Video, luminans og chrominans signalerne

 = Lydsignal

 = Øvrige signaler

Pilene der er vist på benene af IC'erne, fortæller om det pågældende ben er en ind- eller udgang.

MÅLEBETINGELSER

Alle DC spændinger er målt i forhold til stel og med voltmeter med en indre modstand på mindst 2 Mohm.

DC spændinger og oscilloscopbilleder er målt i TV mode ved et VHF antennesignal på ca. 0,5 mV. Lys step 32, kontrast step 44 og farvemætning step 32.

DC spændinger på diagram D er målt ved tom bærebølge. Volume step 45, balance, bas og diskant i step 0.

DC spændinger på diagram K er målt i text mode.

SYMBOL FOR SIKKERHEDSMODSTANDE



Ved udskiftning af komponenter med dette symbol skal der anvendes samme type, samt samme værdier for ohm og watt. Den nye komponent skal monteres på samme måde som den udskiftede.

2-1

Signal paths and IC markings

The signal paths are shown in the diagrams by means of semibold lines and arrow heads. As shown, three different types of arrow head are used:

 = Video, luminance and chrominance signals

 = Sound signal

 = Other signals

The arrow heads shown at the IC pins tell whether the pin indicated is an input or an output.

MEASURING CONDITIONS

Measure all DC voltages in relation to ground and with voltmeter with inner resistance of at least 2 Mohm.

Measure DC voltages and oscilloscope pictures in TV mode at an VHF aerial signal of approx. 0.5mV. Brilliance step 32, contrast step 44 and colour saturation step 32.

Measure DC voltages in diagram D at empty carrier wave. Volume step 45, balance bass and treble in step 0.

Measure DC voltages in diagram K in text mode.

SYMBOL FOR SAFETY RESISTORS



When replacing components with this symbol the same type has to be used, also the same values for ohm and watt. The new component is to be mounted in the same way as the replaced one.

ERLÄUTERUNGEN ZU DEN SCHALTBILDERN
Jede einzelne Schaltbildseite ist durch einen Buchstaben gekennzeichnet, z.B. SCHALTBILD A.

Komponentendruck und Koordinatensystem

Die Printplatten-Einheiten (PCB-Einheiten) sind mit Komponentendruck und Koordinatensystem sowohl auf der Print- als auf der Komponentenseite (Bestückungssseite) versehen.

In den Schaltbildern sind alle Komponenten mit Positions- und Koordinatennummern versehen. Man kann mit anderen Worten anhand von diesen Nummern im Schaltbild eine gegebene Komponente eines Schaltkreises auf der richtigen Printplatten-Einheit (PCB-Einheit) finden.

Leitungsverbindungen der Schaltbilder

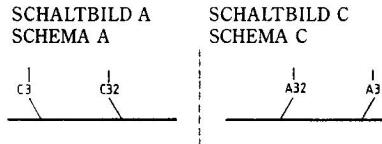
Einige der Leitungsverbindungen in den Schaltbildern sind »gebündelt«. Jede einzelne Leitung ist mit einem Code versehen, der angibt, wohin sie führt.

INTERNE VERBINDUNG AUF EINER SCHALTBILDSEITE



Interne Verbindungen auf einer Schaltbildseite sind durch eine Nummer gekennzeichnet. Die Biegung der Leitung zeigt, in welcher Richtung das andere Leitungsende zu finden ist.

VERBINDUNG ZU EINER ANDEREN SCHALTBILDSEITE



Verbindungen zu einer anderen Schaltbildseite sind durch eine Nummer und durch die Buchstabelbezeichnung des Schaltbilds gekennzeichnet, zu dem die Verbindung führt.

Maße-Symbole

Im Gerät werden drei verschiedene Maße-Symbole verwendet:

-  = Maße, die vom Lichtnetz nicht galvanisch getrennt ist.
(Im Schaltbild E, PCB4, benutzt)
-  = Maße
-  = Signal-Maße

NOTICE EXPLICATIVE DES SCHEMAS

Chaque page de schéma est marquée en tête d'une lettre, par exemple SCHEMA A.

Composants imprimés et système de coordonnées

Les unités PCB sont munies de composants imprimés et de systèmes de coordonnées sur la côté impression et sur la côté composants.

Tous les composants figurant sur les schémas sont pourvus de numéros de repère et de coordonée. C'est-à-dire qu'à l'aide de ces numéros, on est en état de trouver, à partir du schéma, un composant donné dans un circuit sur l'unité PCB correcte.

Câblages en schémas

Certaines connexions de fils figurant sur les schémas sont assemblées en »faisceaux«. Chaque fil est muni d'un code indiquant sa destination.

CONNEXION A UNE AUTRE PAGE DE SCHEMA

Connexions allant vers une autre page de schéma sont marquées au moyen d'un chiffre ainsi que du caractère que porte le schéma vers où se dirige la connection concernée.

CONNEXION A UNE AUTRE PAGE SCHEMA

SCHALTBILD C SCHEMA C

Connexions allant vers une autre page de schéma, sont marquées au moyen d'un chiffre ainsi que du caractère, que porte le schéma vers où se dirige la connexion concernée.

Symboles de masses

Trois différents symboles sont appliqués dans les schémas:

-  = Masses dans disjonction galvanique du secteur (s'applique en schéma E, PCB4)
-  = Masse
-  = Masse de signalisation

Signalwege und Kennzeichnung auf den integrierten Schaltkreisen (ICs)

Die Signalwege sind in den Schaltbildern durch kräftiger ausgezogene Linien und Pfeilen dargestellt. Vier verschiedene Typen von Pfeilen werden verwendet.

 = Video-, Luminanz- und Chrominanz-Signale

 = Ton-Signal

 = Übrige Signale

Die an den Anschlüssen der ICs befindlichen Pfeile zeigen an, ob es sich bei dem betreffenden Anschluss um einen Ein- oder Ausgang handelt.

MESBEDINGUNGEN

Alle DC Spannungen sind im Verhältnis zu Masse und mit einem Voltmeter mit einem inneren Widerstand von mindestens 2MΩ gemessen.

DC Spannungen und Oszilloskopbilder sind in TV mode bei einem VHF Antennensignal von etwa 0,5mV gemessen. Helligkeit Wert 44 und Farbsättigung Wert 32.

DC Spannungen in Schaltbild D sind bei lehrer Trägerwelle gemessen. Volume Wert 45, Balance, Bass und Diskant auf Wert 0.

DC Spannungen in Schaltbild K sind in Text mode gemessen.

SYMBOL FÜR SICHERHEITS-WIDERSTÄNDE



Beim Austausch von Komponenten mit diesem Symbol sind Komponenten des gleichen Typs und mit den gleichen Ohm- und Watt-Werten zu benutzen. Die neuen Komponenten sind in derselben Weise zu montieren wie die ausgetauschten Komponenten.

Voies de signalisation et repérage dans les circuits imprimés

Les voies de signalisation sont représentées en schémas au moyen de lignes intensément retracées et de flèches. Quatre différents types de flèche sont utilisés:

 = Signaux vidéo, de luminance et de chrominance

 = Signal acoustique

 = Autres signaux

Les flèches montrées sur les pattes des circuits imprimés indiquent si la patte concernée est une entrée ou une sortie.

CONDITIONS DE MESURE

Toutes les tensions en courant continu (CC) sont mesurées par rapport à la masse et à l'aide d'un voltmètre avec résistance interne de 2MΩ, au minimum.

Les tensions CC et les oscillogrammes sont mesurés en mode TV et au signal d'antenne VHF d'env. 0,5mV. Lumière niveau 32, contraste niveau 44 et saturation de couleur niveau 32.

Les tensions CC au schéma D sont mesurées à la fréquence porteuse vide. Volume niveau 45, balance, basse et aigu niveau 0.

Les tensions CC au schéma K sont mesurées en mode texte.

SYMBOLE DE RESISTANCES DE SURETE



Dans le cas de remplacement de composants munis de ce symbole, il est indispensable d'utiliser le même type ainsi que les mêmes valeurs d'ohm et de watts. Ménager le composant neuf de la même manière que celui qu'il remplace.

TRANSPOSER

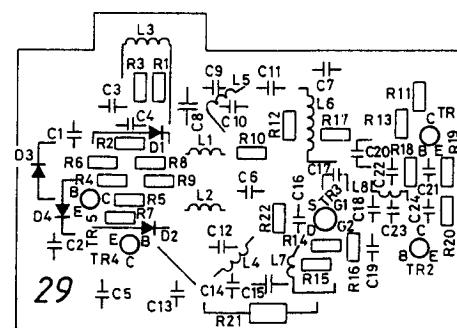
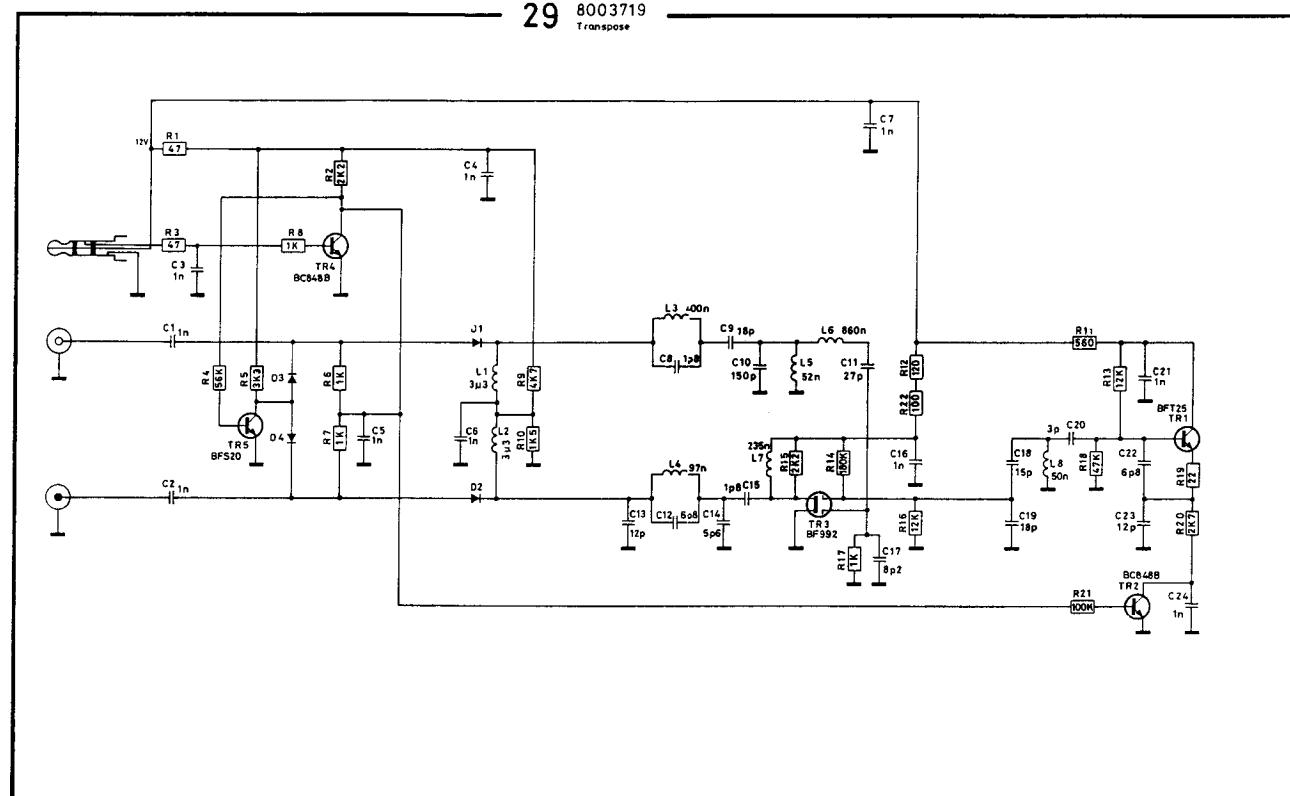


DIAGRAM A CONTROL, TUNER AND IF SYSTEM

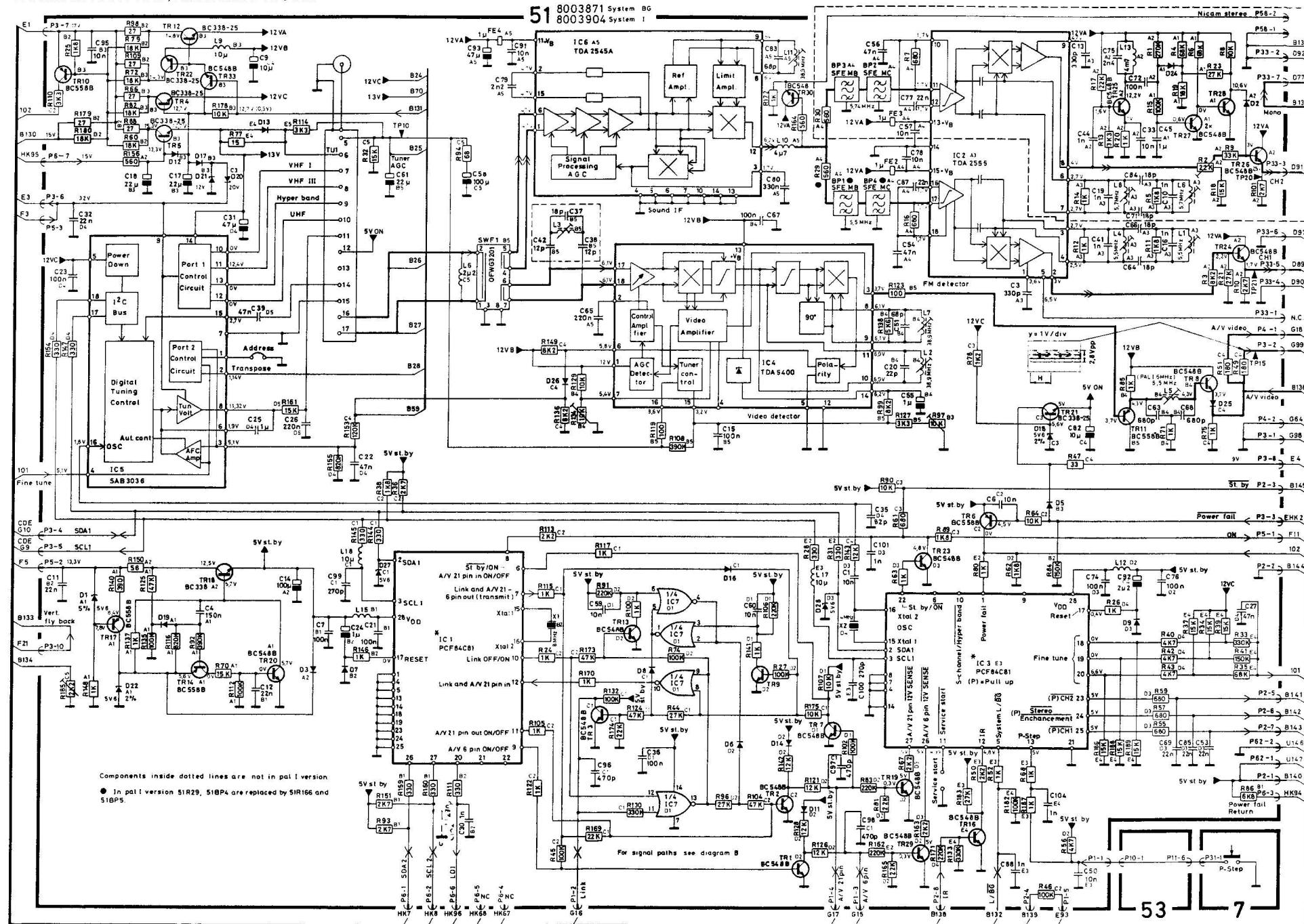


DIAGRAM B IF SYSTEM L AND IR-RECEIVER

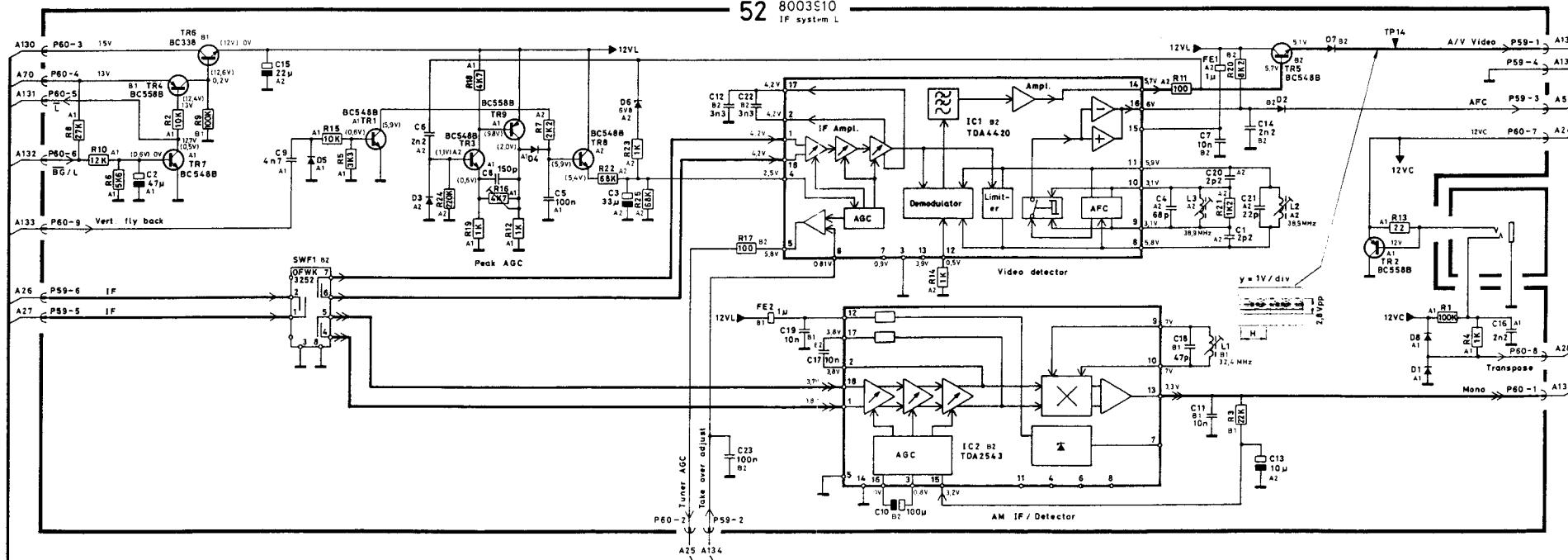
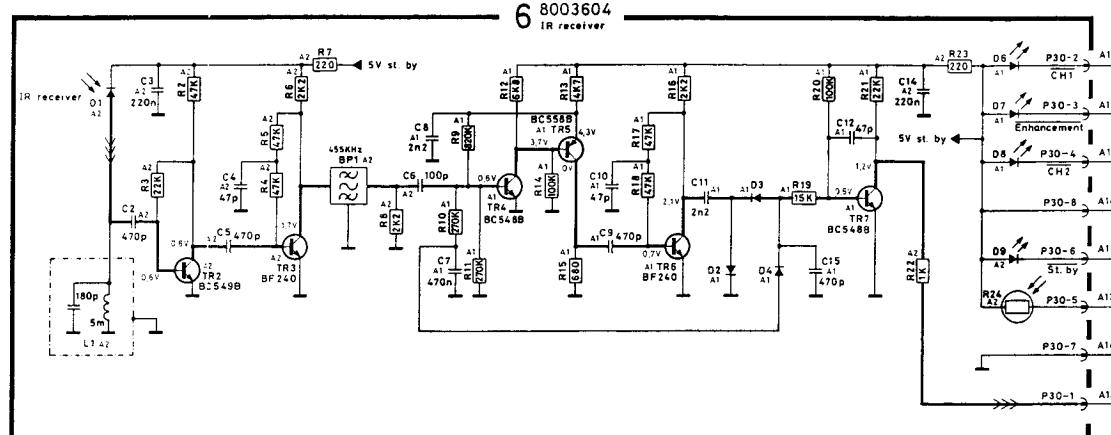
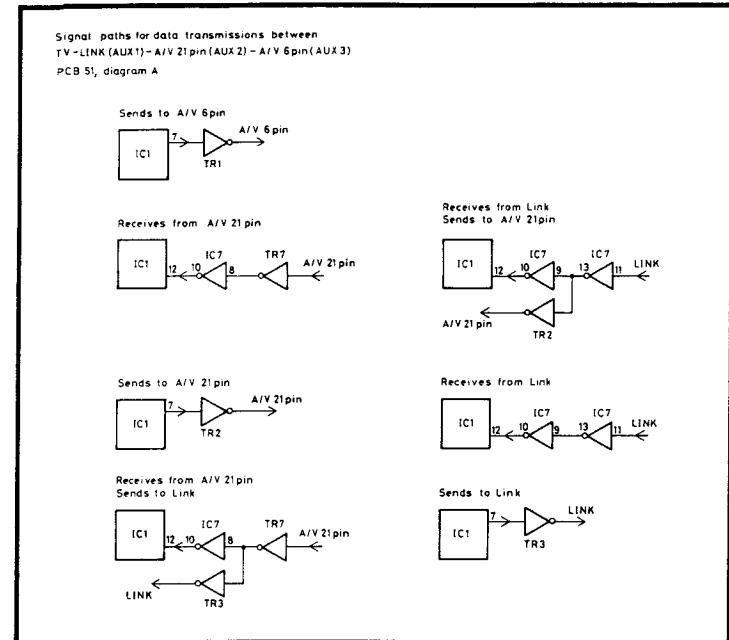


DIAGRAM C PAL - PAL/SECAM DECODER, VIDEO OUTPUT

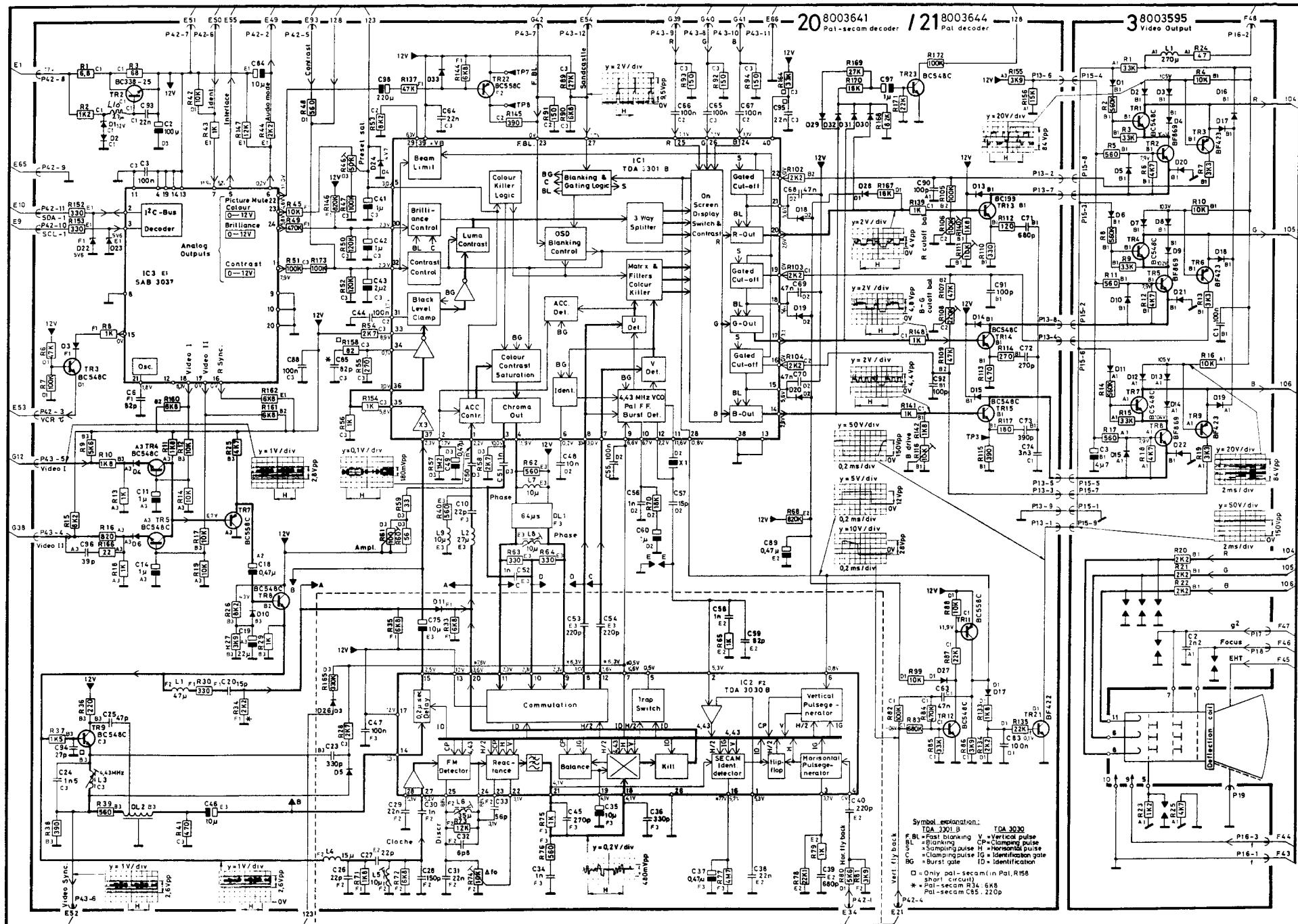


DIAGRAM D STEREO DECODER

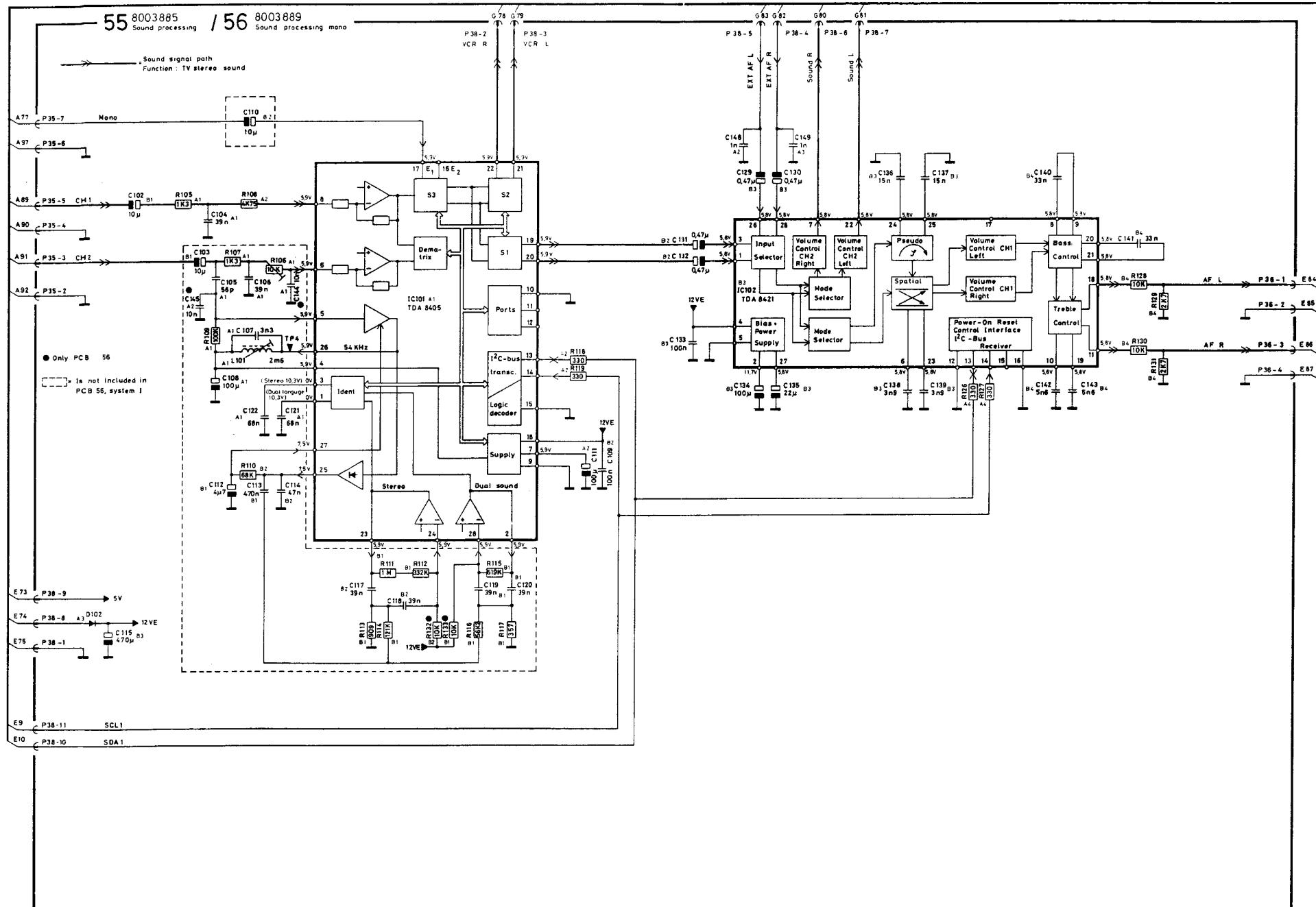


DIAGRAM E AF AMPLIFIER, HOR. OSC., VERT. OSC.

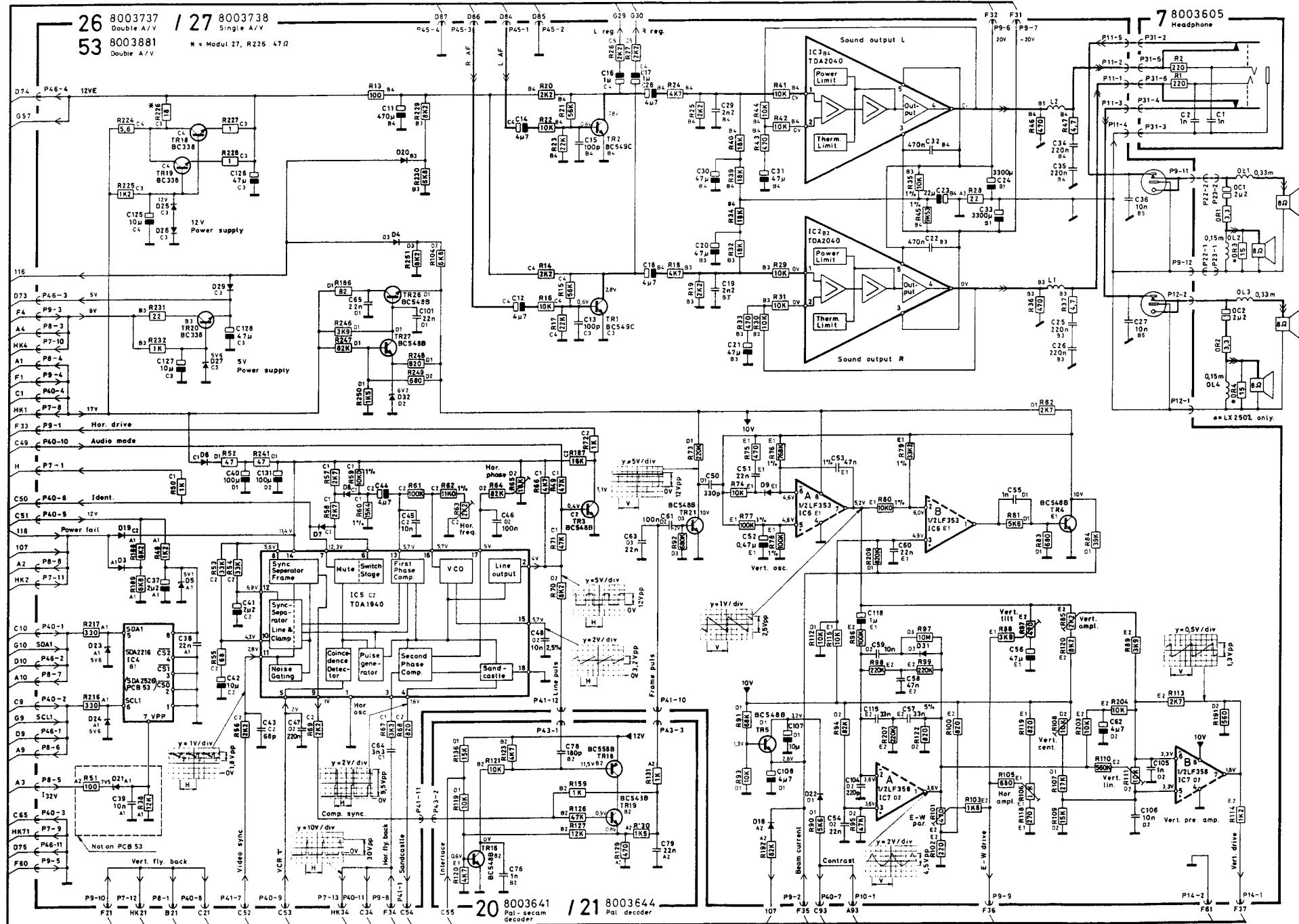


DIAGRAM F POWER SUPPLY, DEFLECTION (4T5 = type AT 2077/81)

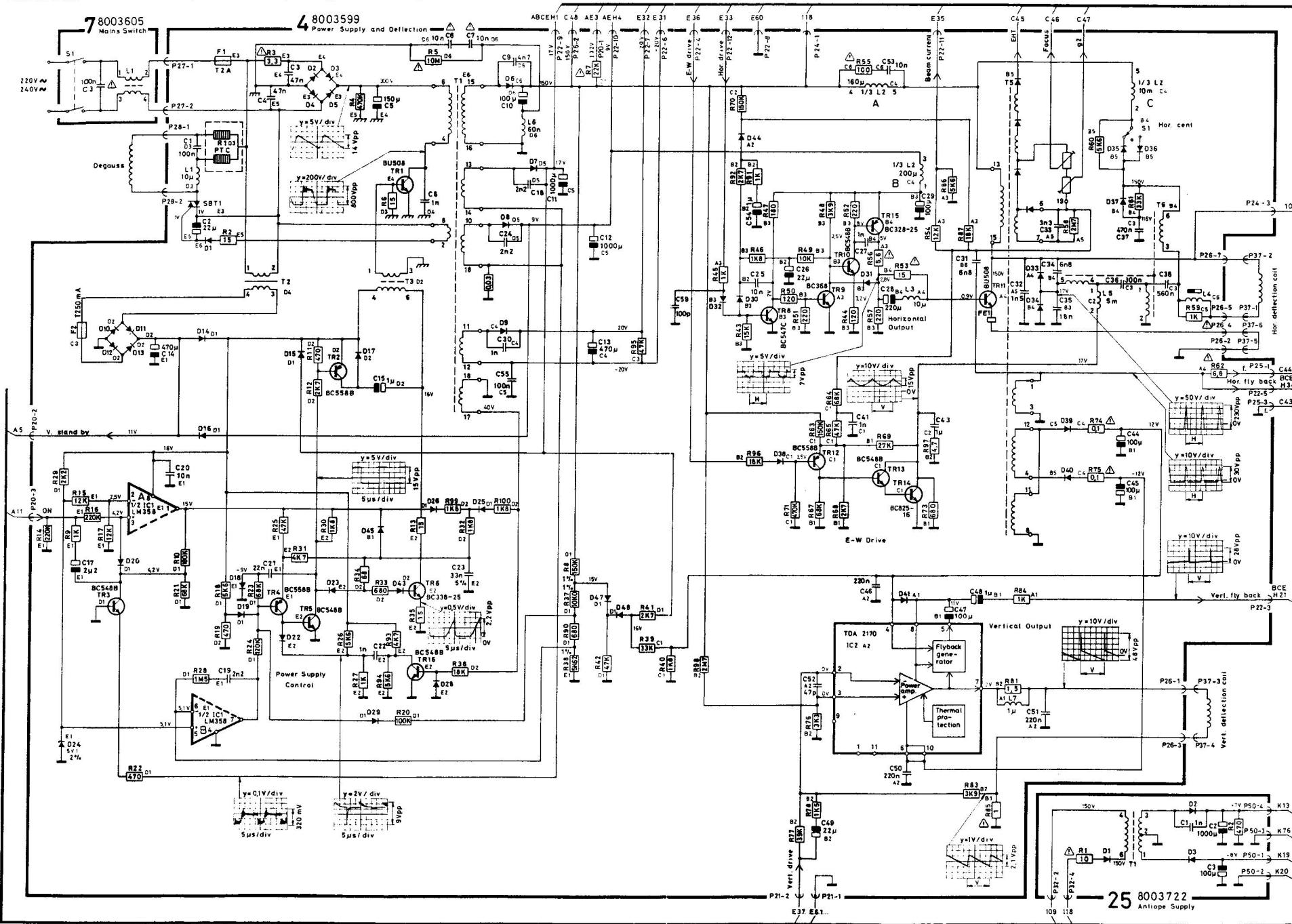


DIAGRAM F POWER SUPPLY, DEFLECTION (4T5 = type DST C79 (C86) or 46000 1xxx)

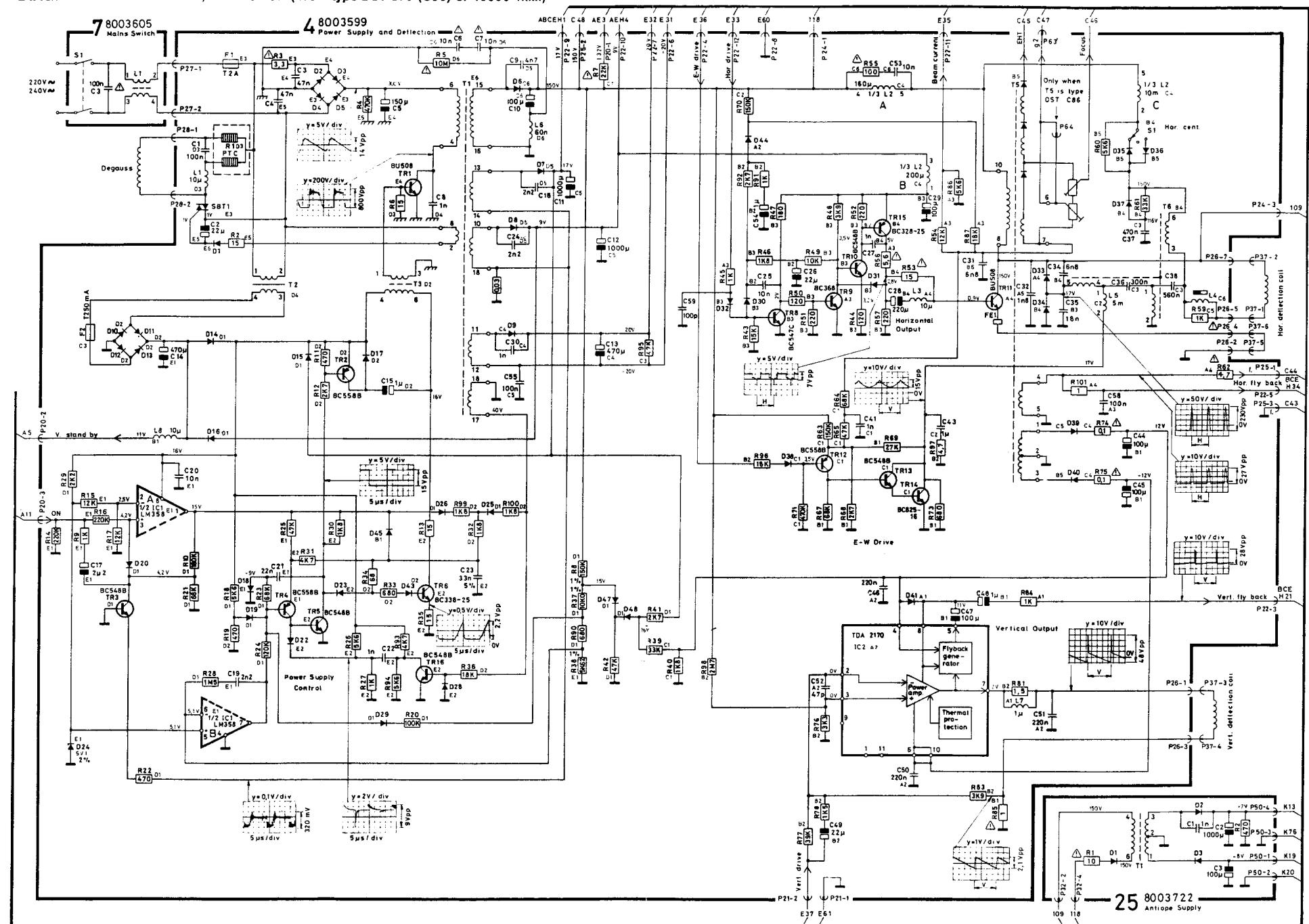


DIAGRAM G DOUBLE A/V CONNECTIONS

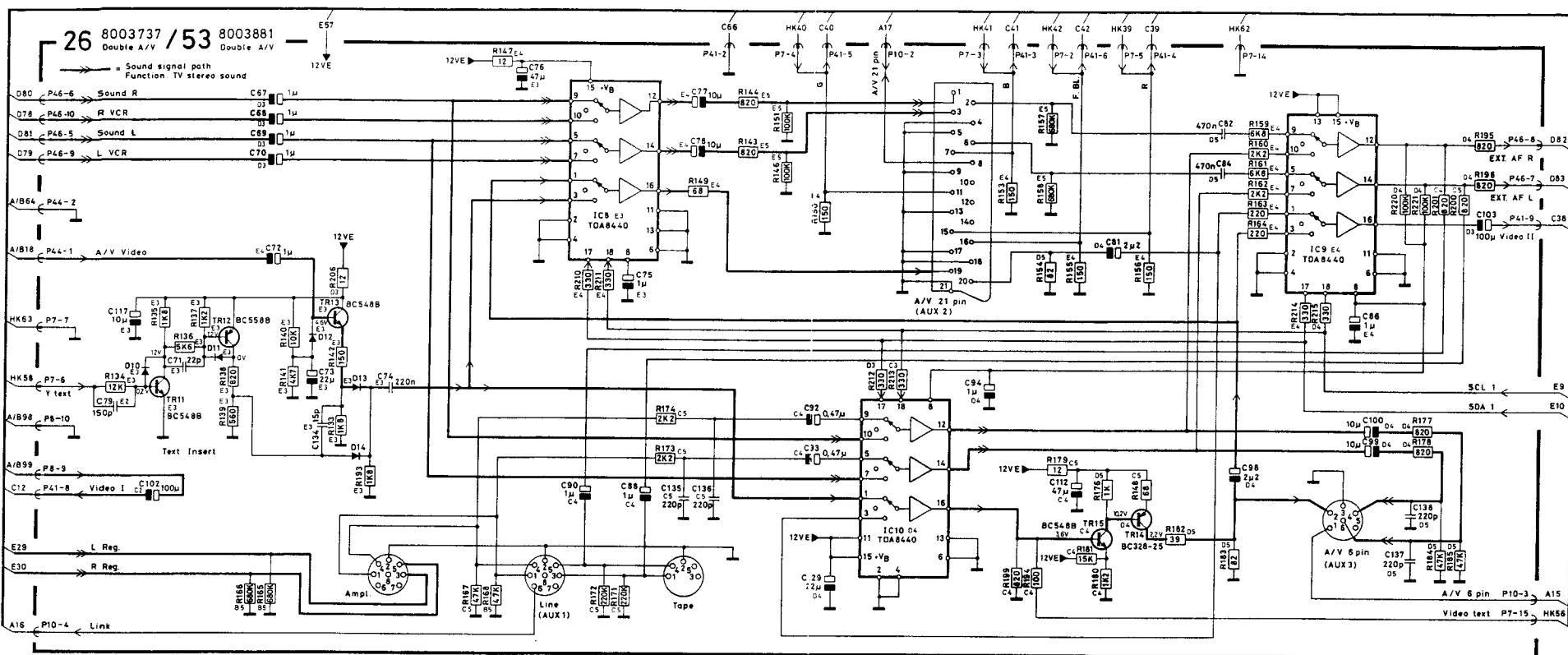


DIAGRAM H TELETEXT DECODER, DISPLAY (PCB11 can be in the set only if there is no teletext decoder)

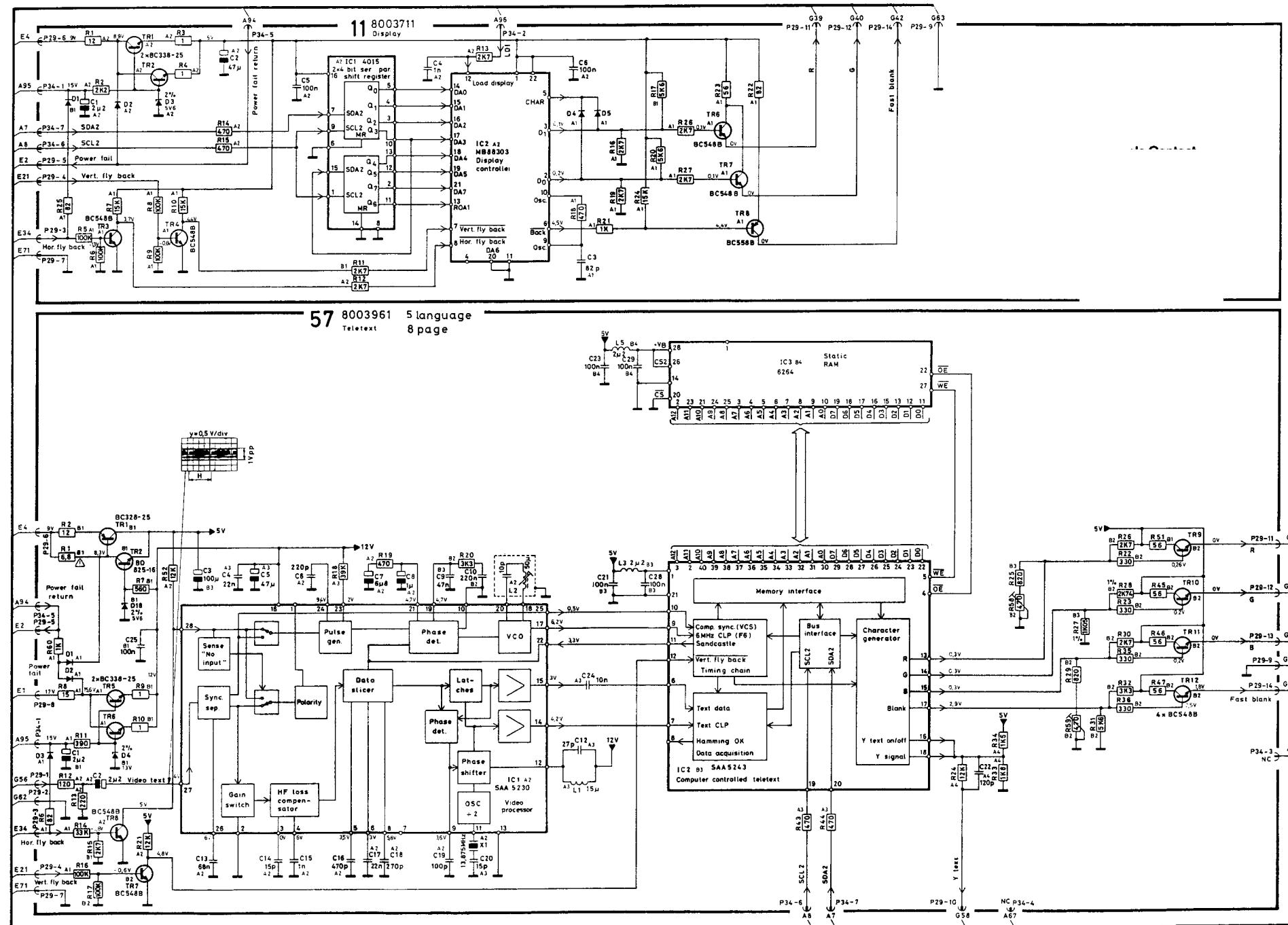
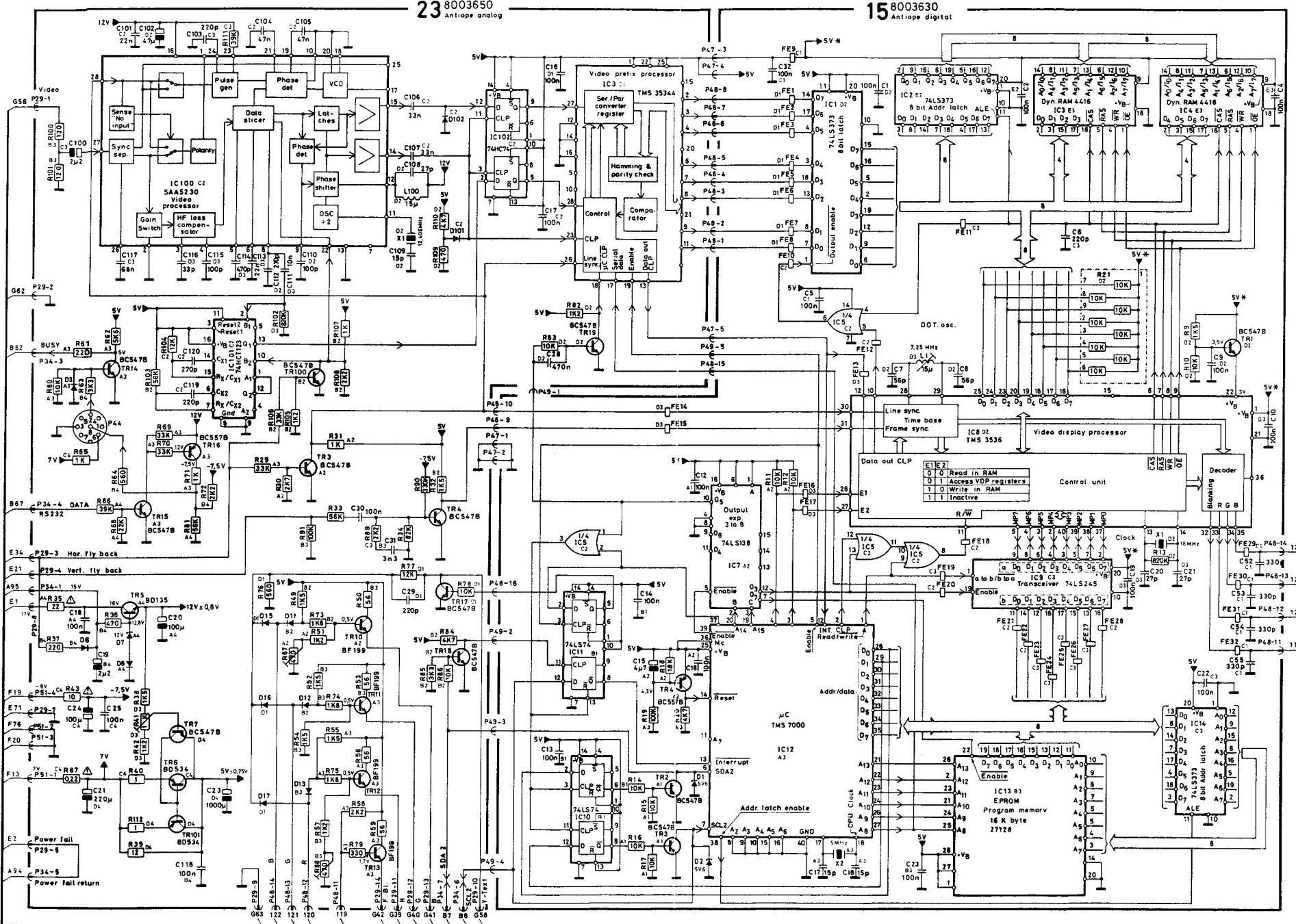
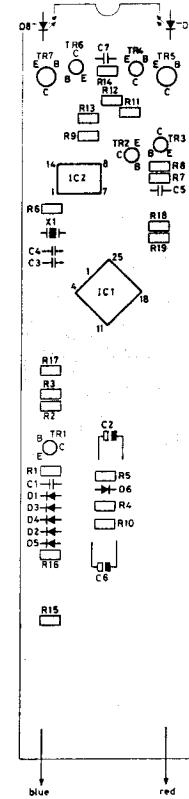
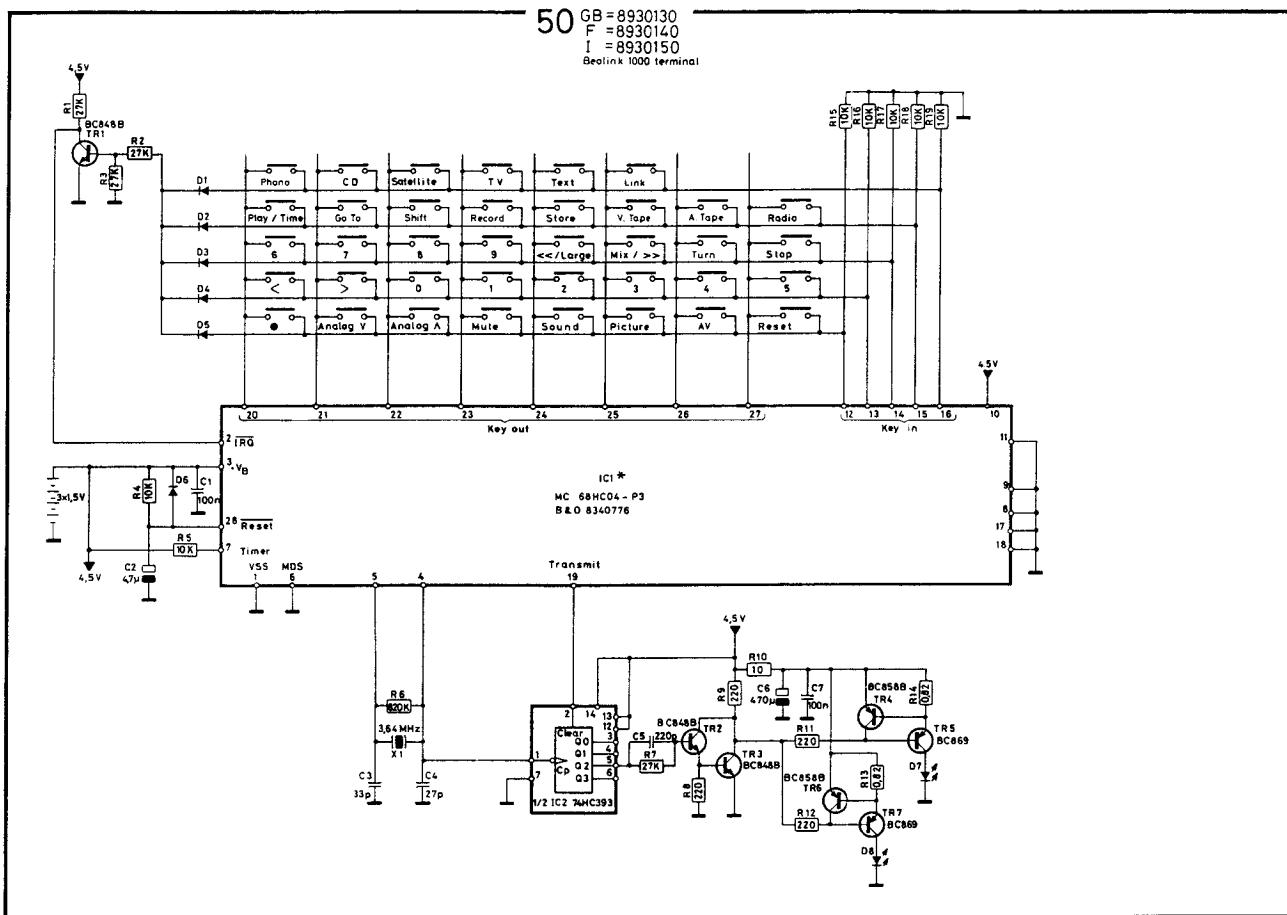


DIAGRAM K ANTIOPE DECODER

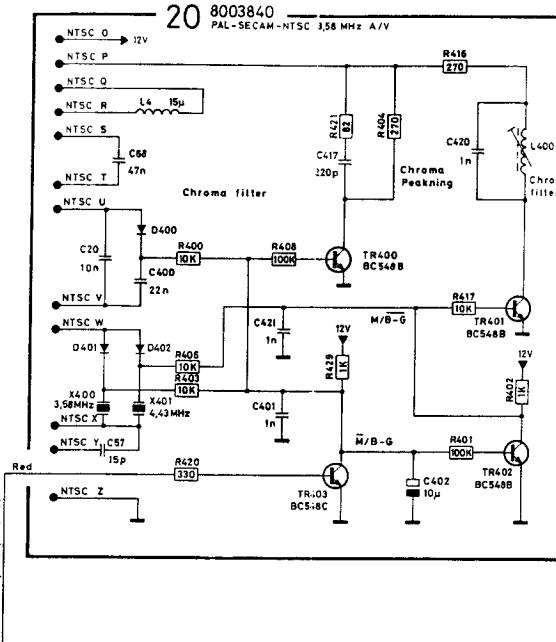


BEOLINK 1000 TERMINAL



INSTALLATIONS KIT

NTSC A/V 3.58 MHz



NTSC 4.43 MHz

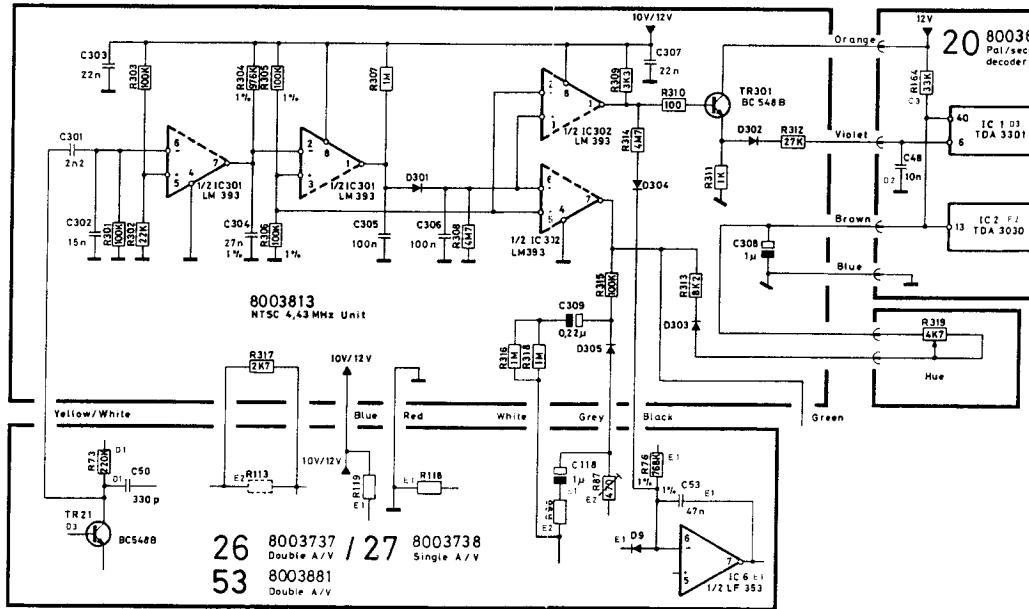
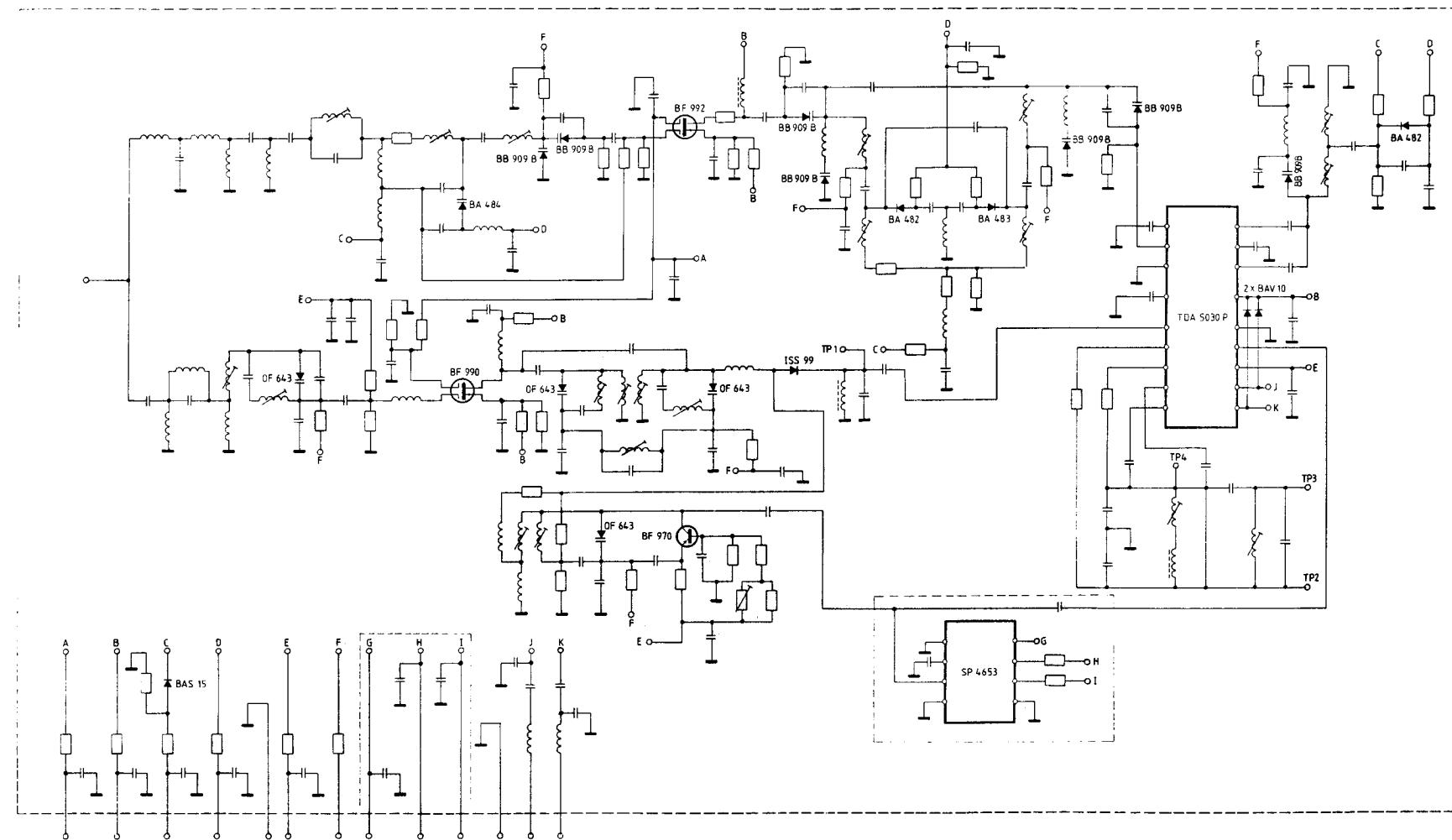
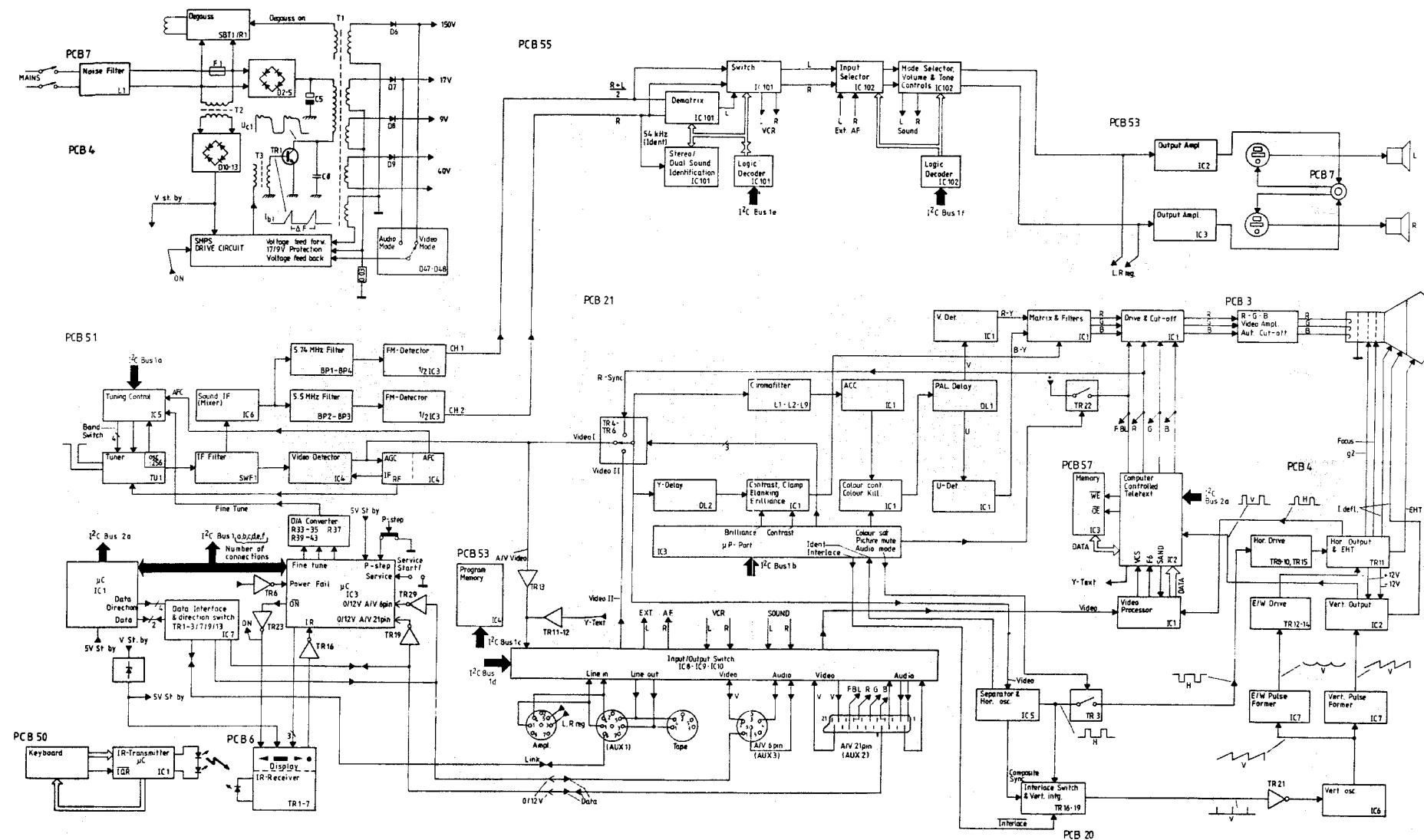


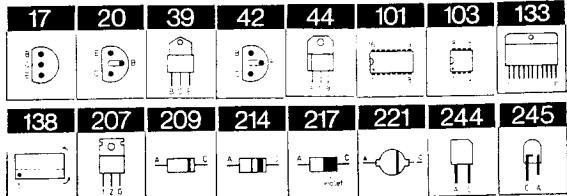
DIAGRAM OF 51TU1 VHF-S-UHF TUNER (type UV618) 8050092



BLOCKDIAGRAM (PAL B-G with TELETEXT)



LIST OF ELECTRICAL PARTS



Resistors not mentioned are standard,
please see page 3-12
All IC's protected against static electricity

OR1-2 5020803 3.3 Ω 5% 2W
OR3-4 5020447 15 Ω 5% 2W only Beovision LX 2502

OC1-2 4200560 2.2 μF 20%

OL1 6850144 Coil 0.33 mH -0.8 Ω
OL2 6850142 Coil 0.15 mH -0.54 Ω
OL3 6850144 Coil 0.33 mH -0.8 Ω
OL4 6850142 Coil 0.15 mH -0.54 Ω

TR1 8320509 20 BC 548B
TR2 8320440 44 BF 869
TR3 8320623 17 BF 423
TR4 8320509 20 BC 548B
TR5 8320440 44 BF 869
TR6 8320623 17 BF 423
TR7 8320509 20 BC 548B
TR8 8320440 44 BF 869
TR9 8320623 17 BF 423

D1-15 8300058 209 1N 4148
D16-19 8300409 209 BAV 20
D20-22 8300058 209 1N 4148

R4 5020127 10 kΩ 5% 1W
R10 5020127 10 kΩ 5% 1W
R16 5020127 10 kΩ 5% 1W
R20-22 5001167 2.2 kΩ 10% 1/2W
R23 5010806 1.2 kΩ 5% 1/3W

C1 4130103 100 nF 20% 250V
C2 4010211 2.2 nF -0+100% 2kV
C3 4200515 4.7 μF 20% 25V

L1 8020590 Coil 270 μH 10%

P15 7220431 Plug 9/9 pol
P16 7220425 Plug 3/3 pol
7500152 Contact pin
7200062 Socket f. picture tube

IC1 8340569 103 LM 358N
IC2 8340717 133 TDA 2170

TR1 8320038 39 BU 508
TR2 8320510 20 BC 558B
TR3 8320509 20 BC 548B
TR4 8320510 20 BC 558B
TR5 8320509 20 BC 548B
TR6 8320595 20 BC 337-40
TR8 8320595 20 BC 337-40
TR9 8320626 17 BC 368
TR10 8320509 20 BC 548B
TR11 8320038 39 BU 508
TR12 8320510 20 BC 558B
TR13 8320509 20 BC 548B
TR14 8320542 44 BD 825-16
TR15 8320523 20 BC 328-25/18
TR16 8320509 20 BC 548B

D1 8300058 209 1N 4148
D2-5 8300500 209 GP15J
D6 8300345 221 BYW 36
D7-8 8300505 221 BYW 72
D9 8300507 221 BYV 27-150
D10-13 8300023 209 1N 4002
D14-23 8300058 209 1N 4148
D24 8300479 209 BZX55B 5V1
D255-30 8300058 209 1N 4148
D31 8300486 214 BAX 14
D32 8300058 209 1N 4148
D33 8300332 221 BY 448
D34 8300345 221 BYW 36
D35-36 8300058 209 1N 4148
D37 8300518 217 BA 157
D38 8300058 209 1N 4148
D39-40 8300503 209 RGP 10G
D41 8300023 209 1N 4002
D43-48 8300058 209 1N 4148

SBT1 8300320 207 TAG232-600

R1	5230009 PTC 40+1000 Ω 265V	R56	5020791 5.6 Ω 5% 2W
R3	5100361 3.3 Ω 10% 6W	R58	5020729 2.7 MΩ 5% 1W
R5	5011209 10 MΩ 5% 1/2W	R59	5020713 1 kΩ 10% 1/2W
R7	5020707 22 kΩ 5% 2W	R62	5020962 4 Ω 5% 1/2W
R8	5020130 150 kΩ 1% 1/4W		5020815 6.8 Ω 5% 1/2W
R37	5020110 10 kΩ 1% 1/4W		(T5=AT 2077/81)
R38	5020221 5.62 kΩ 1% 1/4W	R73	5020675 680 Ω 5% 1W
R53	5020447 15 Ω 5% 2W	R74-75	5020499 0.1 Ω 10% 0.4W
R55	5020709 100 Ω 5% 2W	R85	5020480 1 Ω 5% 1W

C1	4130098 100 nF 20% 400V	C31	4130372 6.8 nF 20% 400V
C2	4200525 22 μF 20% 10V	C32	4130404 1.8 nF 10% 1500V
C3-4	4130169 47 nF 20% 250V		4130350 1.5 nF 10% 1500V
C5	4200609 150 μF -20+50% 385V		(T5=AT 2077/81)
C6-7	4130322 10 nF 20% 250V	C33	4010160 3.3 nF -20+80% 2kV
C8	4130324 1 nF 10% 1500V	C34	4130323 6.8 nF 5% 1500V
C9	4130321 4.7 nF 20% 630V	C35	4130325 18 nF 5% 630V
C10	4200607 100 μF 20% 250V	C36	4130349 300 nF 5% 250V
C11-12	4200612 1000 μF 20% 25V	C37	4130029 470 nF 10% 250V
C13	4200610 470 μF 20% 63V	C38	4130326 560 nF 5% 250V
C14	4200611 470 μF 20% 25V	C41	4010105 1 nF 10% 63V
C15	4200512 1 μF 20% 50V	C43	4130136 1 μF 20% 100V
C17	4200517 2.2 μF 20% 50V	C44-45	4201082 100 μF -10+100% 40V
C18-19	4010103 2.2 nF 10% 63V	C46	4130233 220 nF 20% 63V
C20	4010106 10 nF -20+80% 40V	C47	4201082 100 μF -10+100% 40V
C21	4010107 22 nF -20+80% 40V	C48	4200512 1 μF 20% 50V
C22	4010105 1 nF 10% 63V	C49	4200525 22 μF 20% 10V
C23	4130328 33 nF 5% 63V	C50-51	4130233 220 nF 20% 63V
C24	4010103 2.2 nF 10% 63V	C52	4000193 47 pF 5% 63V
C25	4130241 10 nF 20% 63V	C53	4130081 10 nF 20% 250V
C26	4200525 22 μF 20% 10V	C54	4200512 1 μF 20% 50V
C27	4010105 1 nF 10% 36V	C55	4130230 100 nF 20% 63V
C28	4200760 220 μF -10+50% 16V	C58	4130230 100 nF 20% 63V
C29	4200129 100 μF -20+50% 16V	C59	4000139 100 pF 5% 63V
C30	4010123 1 nF 10% 500V		

L1	8020325 Coil 10 μH	L5	8024046 Coil
L2	8020564 Coil 160μH/200μH/ 10mH	L6	6850158 Coil
L3	8020325 10 μH	L7	6850195 Coil 1.3 μH
L4	8024045 Coil	L8	8020552 Coil 10 μH

F1	6600009 Fuse 2A-T/250V		7500223 Fuse holder
F2	6600000 Fuse 250 MAT IEC 127		

FE1 6710008 Ferrite core

T1	8014078 Transformer		8014084 Transformer, type
T2	8013350 Transformer		46000 1XXX
T3	8014077 Transformer		8014073 Transformer, type
T5	8014084 Transformer, type DST C79 (C86)	T6	AT 2077/81
			8014074 Transformer

S1 7400038 Switch 2 pol

P20	7220412 Plug 3/3 pol	P25	7220412 Plug 3/3 pol
P21	7220279 Plug 2/2 pol	P26	7220416 Plug 7/7 pol
P22	7220421 Plug 12/12 pol	P27	7220406 Plug 2/2 pol
P23	7220411 Plug 2/2 pol		7500013 Contact pin
P24	7220425 Plug 3/3 pol		

3358210	Heat sink f. IC2/TR11		2622383 Mica washer
3358211	Heat sink f. TR1		2816154 Spring clip

PCB 6, 8003604, IR-Receiver and Led's

TR2	8320627	20	BC 549B	TR5	8320510	20	BC 558B
TR3	8320625	42	BF 240	TR6	8320625	42	BF 240
TR4	8320509	20	BC 548B	TR7	8320509	20	BC 548B

D1	8330145	244	BPW 82	D6-9	8330147	245	AS 12
D2-4	8300058	209	1N 4148				

R24	5210009	Foto	28 kΩ
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C2	4010128	470	pF 10% 63V	C9	4010128	470	pF 10% 63V
C3	4130233	220	nF 20% 63V	C10	4000193	47	pF 5% 63V
C4	4000193	47	pF 5% 63V	C11	4010103	2.2	nF 10% 63V
C5	4010128	470	pF 10% 63V	C12	4000193	47	pF 5% 63V
C6	4000139	100	pF 5% 63V	C14	4130233	220	nF 20% 63V
C7	4130313	470	nF 20% 63V	C15	4010128	470	pF 10% 63V
C8	4010103	2.2	nF 10% 63V				

L1	8020562	Coil	455 kHz
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BP1	8030056	Cer. filter	455 kHz ±1 kHz
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P30	7220430	Plug 8/8 pol
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PCB 7, 8003605, Headphone

R1-2	5020460	220	Ω 5% 1W
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C1-2	4010105	1	nF 10% 63V
C3	4130380	100	nF 20% 250V

L1	8022263	Coil
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S1	7400318	Switch 1 pol
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P31	7220428	Plug 6/6 pol
	7210386	Jack plug

PCB 11, 8003711, Display

IC1	8340175	101	4015
IC2	8340721	138	MB 88303

TR1-2	8320512	20	BC 338-25/16	TR6-7	8320509	20	BC 548B
TR3-4	8320509	20	BC 548B	TR8	8320510	20	BC 558B

D1	8300409	209	BAV 20	D3	8300296	209	ZPD 5.6V
D2	8300058	209	1N 4148	D4-5	8300058	209	1N 4148

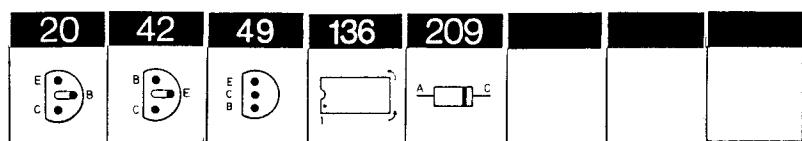
R1	5020701	12	Ω 5% 1W
R25	5011384	82	Ω 5% 1/2W

C1	4200517	2.2	µF 20% 50V	C4	4010105	1	nF 10% 63V
C2	4200617	47	µF 20% 10V	C5-6	4130230	100	nF 20% 63V
C3	4000142	82	pF 5% 63V				

P7	7210597	Socket/housing
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15/15 pol

P34	7220429	Plug 7/7 pin
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Resistors not mentioned are standard,
please see page 3-12
All IC's protected against static eletricity

**PCB 15, 8003630,
Antiope Digital**

IC1-2	8340663 136 74LS373	IC9	8340664 136 74LS245
IC3-4	8340669 136 TMS 4416	IC10-11	8340366 136 74LS74
IC5	8340665 136 74LS32	IC12	8340656 136 TMS 7000
IC7	8340666 136 74LS138	IC13	8340859 136 27128
IC8	8340657 136 TMS 3556	IC14	8340663 136 74LS373

TR1-3	8320497 20 BC 547B
TR4	8320503 20 BC 557B

R21	5030029 8x10 kΩ 5% 1/8W
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C1-2	4130230 100 nF 20% 63V	C16	4130230 100 nF 20% 63V
C4-5	4130230 100 nF 20% 63V	C17-18	4000146 15 pF 5% 63V
C6	4010155 220 pF 10% 63V	C19	4130230 100 nF 20% 63V
C7-8	4000155 56 pF 5% 63V	C20-21	4000140 27 pF 5% 63V
C9-10	4130230 100 nF 20% 63V	C22-23	4130230 100 nF 20% 63V
C12-14	4130230 100 nF 20% 63V	C32	4130230 100 nF 20% 63V
C15	4200515 4.7 µF 20% 25V	C52-55	4010118 330 pF 10% 63V

1

L1	8020505 Coil 15 µH
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FE1-3	8020633 Ferrite core	FE10-14	8020633 Ferrite core
FE4-5	8020421 Ferrite core	FE15	8020421 Ferrite core
FE6-8	8020633 Ferrite core	FE16-32	8020633 Ferrite core
FE9	8020325 Coil 10 µH		

X1	8030057 Crystal 18 MHz ±54 kHz
X2	8090033 Crystal 5 MHz

P47	7220546 Plug 5/5 pol	7200055 Socket 40 pol
P48	7220578 Plug 16/16 pol	7220056 Socket 28 pol
P49	7220546 Plug 5/5 pol	

**PCB 20, 8003641
Pal/Secam Decoder**

IC1	8340819 136 3301B	IC3	8340726 136 SAB 3037
IC2	8340287 136 TDA 3030B		

TR2	8320512 20 BC 338-25	TR13	8320554 42 BF 199
TR3-5	8320509 20 BC 548B	TR14-16	8320509 20 BC 548B
TR7	8320510 20 BC 558B	TR18	8320510 20 BC 558B
TR8	8320509 20 BC 548B	TR19	8320509 20 BC 548B
TR9	8320679 20 BC 548C	TR21	8320505 49 BF 422
TR11	8320510 20 BC 558B	TR22	8320510 20 BC 558B
TR12	8320509 20 BC 548B	TR23	8320509 20 BC 548B

D1	8300407 209 ZPD 12V	D17-20	8300058 209 1N 4148
D2-6	8300058 209 1N 4148	D22-23	8300296 209 ZPD 5.6V
D10-11	8300058 209 1N 4148	D24	8300309 209 ZPD 4.7V
D13-15	8300058 209 1N 4148	D26-33	8300058 209 1N 4148

R3	5020797 68 Ω 5% 1W	R106	5370156 220 kΩ 20% 0.1W
R46	5370061 47 kΩ 20% 0.1W	R108	5370156 220 kΩ 20% 0.1W
R61	5370240 100 Ω 20% 0.1W	R111	5370074 10 kΩ 20% 0.1W
R74	5370074 10 kΩ 20% 0.1W	R116	5370074 10 kΩ 20% 0.1W
R78	5020542 22.1 kΩ 1% 1/4W		

C2	4200628 100 μ F 20% 16V	C49	4200523 0.47 μ F 20% 50V
C3	4130230 100 nF 20% 63V	C50-52	4010105 1 nF 10% 63V
C6	4000230 82 pF 5% 63V	C53-54	4000165 220 pF 5% 63V
C10	4000136 22 pF 5% 63V	C55	4130306 100 nF 10% 63V
C11	4200512 1 μ F 20% 50V	C56	4010105 1 nF 10% 63V
C14	4200512 1 μ F 20% 50V	C57	4000146 15 pF 5% 63V
C18	4200523 0.47 μ F 20% 50V	C58	4010105 1 nF 10% 63V
C19	4200525 22 μ F 20% 10V	C59	4000230 82 pF 5% 63V
C20	4000146 15 pF 5% 63V	C60	4200512 1 μ F 20% 50V
C23	4000227 330 pF 5% 63V	C63	4130240 47 nF 10% 63V
C24	4100210 1.5 nF 5% 63V	C64	4010107 22 nF -20+80% 40V
C25	4000137 47 pF 5% 63V	C65-67	4130306 100 nF 10% 63V
C26	4000136 22 pF 5% 63V	C68-70	4130369 47 nF 10% 100V
C27	4000313 22 pF 5% 63V	C71	4010122 680 pF 10% 63V
C28	4000135 150 pF 5% 63V	C72	4010110 270 pF 10% 63V
C29	4010107 22 nF -20+80% 40V	C73	4010137 390 pF 10% 63V
C30	4010105 1 nF 10% 63V	C74	4010111 3.3 nF 10% 63V
C31	4010107 22 nF -20+80% 40V	C75	4200510 10 μ F 20% 16V
C32	4000169 6.8 pF \pm 0.25 pF 63V	C76	4010105 1 nF 10% 63V
C33	4000155 56 pF 5% 63V	C78	4010109 180 pF 10% 63V
C34	4010105 1 nF 10% 63V	C79	4130304 22 nF 10% 63V
C35	4200510 10 μ F 20% 16V	C83	4130306 100 nF 10% 63V
C36	4000227 330 pF 5% 63V	C84	4200510 10 μ F 20% 16V
C37	4200523 0.47 μ F 20% 50V	C85	4000165 220 pF 5% 63V
C38	4010107 22 nF -20+80% 40V	C88	4130306 100 nF 10% 63V
C39	4100235 680 pF 5% 63V	C89	4200523 0.47 μ F 20% 50V
C40	4000165 220 pF 5% 63V	C90-92	4000139 100 pF 5% 63V
C41-42	4200512 1 μ F 20% 50V	C93	4010107 22 nF -20+80% 40V
C43	4200517 2.2 μ F 20% 50V	C94	4000140 27 pF 5% 63V
C44	4130306 100 nF 10% 63V	C95	4010107 22 nF -20+80% 40V
C45	4010110 270 pF 10% 63V	C96	4000154 39 pF 5% 63V
C46	4200510 10 μ F 20% 16V	C97	4200512 1 μ F 20% 50V
C47	4130230 100 nF 20% 63V	C98	4200396 220 pF -20+50% 16V
C48	4130241 10 nF 20% 63V		

L1	8020607 Coil 47 μ H	L6	8020370 Coil 35 μ H
L2	8020606 Coil 27 μ H	L7	8020578 Coil 10 μ H
L3	8020289 Coil	L8	8020284 Coil
L4	8020037 Coil 15 μ H/22 k Ω	L9	8020578 Coil 10 μ H
L5	8020284 Coil	L10	8020606 Coil 27 μ H

DL1	6240012 Delay line 64 μ S
DL2	8003655 Y-Delay Line

X1	8090054 Crystal 4.43 MHz
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P13	7220431 Plug 9/9 pol	7220212 Plug 3/3 pol
P42	7220433 Plug 11/11 pol	7220504 Plug 6/3 pol
P43	7220434 Plug 12/12 pol	7500013 Contact pin
	7220129 Plug 2/2 pol	3304017 Screen

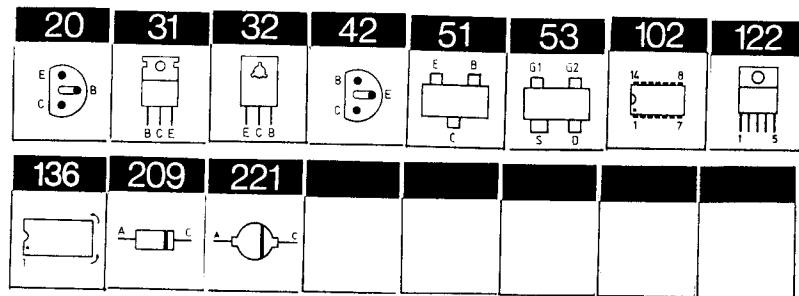
**PCB 21, 8003644,
Pal Decoder**

IC1	8340819 136 TDA 3301A
IC3	8340726 136 SAB 3037

TR2	8320512 20 BC 338-25/18	TR14-16	8320509 20 BC 548B
TR3-5	8320509 20 BC 548B	TR18	8320510 20 BC 558B
TR7	8320510 20 BC 558B	TR19	8320509 20 BC 548B
TR8-9	8320509 20 BC 548B	TR21	8320505 49 BF 422
TR11	8320510 20 BC 558B	TR22	8320510 20 BC 558B
TR12	8320509 20 BC 548B	TR23	8320509 20 BC 548B
TR13	8320554 42 BF 199		

D1	8300407 209 ZPD 12V	D17-20	8300058 209 1N 4148
D2-4	8300058 209 1N 4148	D22-23	8300296 209 BZX79B 5V6
D6	8300058 209 1N 4148	D24	8300309 209 BZX83B 4V7
D10	8300058 209 1N 4148	D27-33	8300058 209 1N 4148
D13-15	8300058 209 1N 4148		

R3	5020797 68 Ω 5% 1W	R108	5370156 220 k Ω 20% 0.1W
R46	5370061 47 k Ω 20% 0.1W	R111	5370074 10 k Ω 20% 0.1W
R61	5370240 100 Ω 20% 0.1W	R116	5370074 10 k Ω 20% 0.1W
R106	5370156 220 k Ω 20% 0.1W		



Resistors not mentioned are standard,
please see page 3-12
All IC's protected against static eletricity

C2	4200628 100 μ F 20% 16V	C63	4130240 47 nF 10% 63V
C3	4130230 100 nF 20% 63V	C64	4010107 22 nF -20+80% 40V
C6	4000230 82 pF 5% 63V	C65-67	4130306 100 nF 10% 63V
C10	4000136 22 pF 5% 63V	C68-70	4130369 47 nF 10% 100V
C11	4200512 1 μ F 20% 50V	C71	4010122 680 pF 10% 63V
C14	4200512 1 μ F 20% 50V	C72	4010110 270 pF 10% 63V
C18	4200523 0.47 μ F 20% 50V	C73	4010137 390 pF 10% 63V
C19	4200525 22 μ F 20% 10V	C74	4010111 3.3 nF 10% 63V
C20	4000144 10 pF \pm 0.25 pF 63V	C76	4010105 1 nF 10% 63V
C24	4100210 1.5 nF 5% 63V	C78	4010109 180 pF 10% 63V
C25	4000137 47 pF 5% 63V	C79	4130304 22 nF 10% 63V
C41-42	4200512 1 μ F 20% 50V	C83	4130306 100 nF 10% 63V
C43	4200517 2.2 μ F 20% 50V	C84	4200510 10 μ F 20% 16V
C44	4130306 100 nF 10% 63V	C85	4000230 82 pF 5% 63V
C46	4200510 10 μ F 20% 16V	C88	4130306 100 nF 10% 63V
C48	4130241 10 nF 20% 63V	C89	4200523 0.47 μ F 20% 50V
C49	4200523 0.47 μ F 20% 50V	C90-92	4000139 100 pF 5% 63V
C50-52	4010105 1 nF 10% 63V	C93	4010107 22 nF -20+80% 40V
C55	4130306 100 nF 10% 63V	C96	4000154 39 pF 5% 63V
C56	4010105 1 nF 10% 63V	C97	4200512 1 μ F 20% 50V
C57	4000146 15 pF 5% 63V	C98	4200396 220 μ F -20+50% 16V
C60	4200512 1 μ F 20% 50V		

L1	8020607 Coil 47 μ H	L8	8020284 Coil
L2	8020606 Coil 27 μ H	L9	8020578 Coil 10 μ H
L3	8020289 Coil	L10	8020606 Coil 27 μ H
L7	8020578 Coil 10 μ H		

DL1	6240012 Delay Line 64 μ S
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X1	8090054 Crystal 4.43 MHz
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P13	7220431 Plug 9/9 pol	7220212 Plug 3/3 pol
P42	7220433 Plug 11/11 pol	7220504 Plug 6/3 pol
P43	7220434 Plug 12/12 pol	7500013 Contact pin
	7220129 Plug 2/2 pol	

3304017 Screen

PCB 23, 8003650,
Antiope Analog

IC3	8340658 136 TMS 3534	IC101	8341066 122 74HCT123
IC100	8340720 136 SAA 5231	IC102	8341064 102 74HC74

TR3-4	8320497 20 BC 547B	TR14-15	8320497 20 BC 547B
TR5	8320292 32 BD 135	TR16	8320503 20 BC 557B
TR6*	8320369 31 BD 534	TR17-19	8320497 20 BC 547B
TR7	8320497 20 BC 547B	TR100	8320497 20 BC 547B
TR10-13	8320554 42 BF 199	TR101*	8320369 31 BD 534

D3	8300058 209 1N 4148	D11-13	8300058 209 1N 4148
D6	8300058 209 1N 4148	D15-17	8300058 209 1N 4148
D7	8300407 209 ZPD 12V	D101-102	8300058 209 1N 4148
D8	8300212 209 1N 4448		

*Specially selected or adapted sample

R35	5020705 22 kΩ 0.35W	R43	5020489 10 Ω 10% 0.3W
R39	5020701 12 kΩ 5% 1W	R67	5020812 0.22 Ω 10% 0.4W
R40	5020480 1 Ω 5% 1W	R87-88	5370150 470 Ω 20% 0.1W
R41	5370050 1 kΩ 20% 0.1W	R112	5020480 1 Ω 5% 1W

C16-18	4130230 100 nF 20% 63V	C104-105	4130235 47 nF 20% 63V
C19	4200517 2.2 μF 20% 50V	C106-107	4130257 33 nF 20% 63V
C20	4200628 100 μF 20% 16V	C108	4000140 27 pF 5% 63V
C21	4200531 220 μF -10+50% 16V	C109	4000133 15 pF 5% 63V
C23	4200585 1000 μF -20+50% 10V	C110	4000204 100 pF 5% 63V
C24	4200628 100 μF 20% 16V	C111	4130241 10 nF 20% 63V
C25	4130230 100 nF 20% 63V	C112	4000237 270 pF 5% 63V
C28	4130313 470 nF 20% 63V	C113	4010107 22 nF -20+80% 40V
C29	4010155 220 pF 10% 63V	C114	4010128 470 pF 10% 63V
C30	4130373 100 nF 5% 63V	C115	4000204 100 pF 5% 63V
C31	4100238 3.3 nF 5% 63V	C116	4000153 33 pF 5% 63V
C100	4201035 2.2 μF -10+50% 63V	C117	4130300 68 nF 20% 63V
C101	4010107 22 nF -20+80% 40V	C118	4130230 100 nF 20% 63V
C102	4200516 47 μF 20% 16V	C119	4000165 220 pF 5% 63V
C103	4000165 220 pF 5% 63V	C120	4000237 270 pF 5% 63V

L100 8020554 Coil 15 μH 5%

X1 8090055 Crystal 12.406 MHz

P29	7220555 Plug 15/15 pol	P48	7210609 Plug 16/16 pol
P34	7220429 Plug 7/7 pol	P49	7210594 Plug 5/5 pol
P44	7210518 Socket 8 pol DIN	P51	7220426 Plug 4/4 pol
P47	7210594 Plug 5/5 pol		

**PCB 25, 8003722,
Power Supply Antiope**

D1 8300505 209 BYV 28-100 D3 8300503 209 RGP 10G
D2 8300518 221 BA 157

R1 5020809 10 Ω 20% 0.4W

C1 4010123 1 nF 10% 500V C3 4201082 100 μF -10+100% 40V
C2 4200612 1000 μF 20% 25V

T1 8014081 Transformer

P32 7220425 Plug 3/3 pol P50 7220426 Plug 4/4 pol

PCB 29, 8003719, Transposer

TR1 8320670 51 BFT 25 TR4 8320615 51 BC 848B
TR2 8320615 51 BC 848B TR5 8320672 51 BFS 20
TR3 8320754 53 BF 992

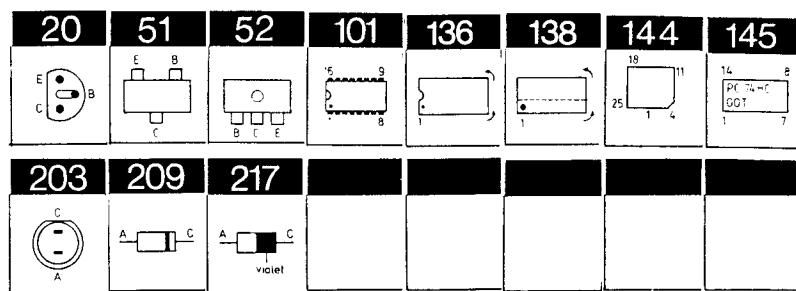
D1-4 8300478 209 BA 483

C1-7	4000342 1 nF 10% 50V	C16	4000342 1 nF 10% 50V
C8	4000337 1.8 pF ±0.25 pF 63V	C17	4000332 8.2 pF ±0.5 pF 50V
C9	4000276 18 pF 5% 50V	C18	4000275 15 pF 5% 50V
C10	4000229 150 pF 5% 50V	C19	4000276 18 pF 5% 50V
C11	4000278 27 pF 5% 50V	C20	4000267 3 pF ±0.25 pF 50V
C12	4000331 6.8 pF ±0.25 pF 50V	C21	4000342 1 nF 10% 50V
C13	4000274 12 pF 5% 50V	C22	4000331 6.8 pF ±0.25 pF 50V
C14	4000330 5.6 pF ±0.5 pF 50V	C23	4000274 12 pF 5% 50V
C15	4000337 1.8 pF ±0.25 pF 63V	C24	4000342 1 nF 10% 50V

L1-2 8020609 Coil 3.3 μH L6 6850174 Coil 860 nH
L3 6850203 Coil 400 nH L7 6850202 Coil 235 nH
L4 6850177 Coil 97 nH L8 6850179 Coil 58 nH
L5 6850175 Coil 52 nH

7210589 Socket COAX, female
7220539 Socket COAX, male
3164631 Cap, top

3164635 Cap, bottom
6270386 Wire w/plug



Resistors not mentioned are standard,
please see page 3-12

All IC's protected against static eletricity

**PCB 50, 8003894,
Beolink 1000**

IC1* 8340776 144 68 HC04 P3
IC2 8340830 145 74 HC 393

TR1-3	8320615	51 BC 848B	TR6	8320616	51 BC 858B
TR4	8320616	51 BC 858B	TR7	8320684	52 BC 869
TR5	8320684	52 BC 869			

D1-6	8300482	217 LL4148
D7-8	8330140	203 TSHA 5502

R13-14 5011281 0.82 Ω 5% 1/4W

C1	4010166	100 nF -20+80% 50V	C5	4000321	220 pF 5% 50V
C2	4200515	4.7 μF 20% 25V	C6	4200664	470 μF 20% 6.3V
C3	4000239	33 pF 5% 50V	C7	4010166	100 nF -20+80% 50V
C4	4000278	27 pF 5% 50V			

X1 8030094 Crystal 3.64 MHz 0.3%

**PCB 51,
8003871 Tuner and IF system
B/G
8003904 Tuner and IF system I**

IC1*	8341028	136 PCF84C81	IC4	8340712	136 TDA 5400-2
	3162300	Cap	IC5	8340714	136 SAB 3036
IC2	8340713	136 TDA 2555	IC6	8340496	101 TDA 2545A
IC3*	8341027	136 PCF84C81	IC7	8340968	138 74HCT02
	3162300	Cap			

TR1-3	8320509	20 BC 548B	TR16	8320509	20 BC 548B
TR4-5	8320512	20 BC 338-25	TR17	8320510	20 BC 558B
TR6	8320510	20 BC 558B	TR18	8320512	20 BC 338-25
TR7-9	8320509	20 BC 548B	TR19-20	8320509	20 BC 548B
TR10-11	8320510	20 BC 558B	TR21-22	8320512	20 BC 338-25
TR12	8320512	20 BC 338-25	TR23-30	8320509	20 BC 548B
TR13	8320509	20 BC 548B	TR33	8320509	20 BC 548B
TR14	8320510	20 BC 558B			

D1	8300296	209 ZPD 5.6V	D18	8300296	209 ZPD 5.6V
D2-3	8300058	209 1N 4148	D19	8300058	209 1N 4148
D5	8300058	209 1N 4148	D20	8300194	209 ZPD 20V
D6	8300212	209 1N 4448	D21	8300407	209 ZPD 12V
D7	8300058	209 1N 4148	D22	8300296	209 ZPD 5.6V
D8	8300212	209 1N 4448	D24-26	8300058	209 1N 4148
D9	8300058	209 1N 4148	D27-28	8300296	209 ZPD 5.6V
D11-17	8300058	209 1N 4148			

R2	5370254	22 kΩ 20% 0.1W	R134	5370326	10 kΩ 20% 0.1W
R97	5370326	10 kΩ 20% 0.1W	R185	5370325	2.2 kΩ 20% 0.1W

*Specially selected or adapted sample

C1	4010106 10 nF -20+80% 40V	C55	4130236 330 nF 20% 63V
C3	4000227 330 pF 5% 63V	C56	4130235 47 nF 20% 63V
C4	4130232 150 nF 20% 63V	C57	4010106 10 nF -20+80% 40V
C6	4010106 10 nF -20+80% 40V	C58	4200800 100 µF 20% 16V
C7	4030038 100 nF -20+80% 25V	C59-60	4010106 10 nF -20+80% 40V
C9	4200510 10 µF 20% 16V	C61	4200544 22 µF 20% 16V
C10	4100236 1 nF 5% 63V	C63	4100249 680 pF 2.5% 63V
C11-12	4010107 22 nF -20+80% 40V	C64	4000167 18 pF 5% 63V
C13	4000227 330 pF 5% 63V	C65	4130104 220 nF 20% 100V
C14	4200511 100 µF 20% 10V	C66	4000167 18 pF 5% 63V
C15	4130230 100 nF 20% 63V	C67	4130230 100 nF 20% 63V
C16	4100236 1 nF 5% 63V	C68	4100249 680 pF 2.5% 63V
C17-18	4200508 22 µF 20% 25V	C69	4010107 22 nF -20+80% 40V
C19	4100236 1 nF 5% 63V	C71	4000167 18 pF 5% 63V
C20	4000313 22 pF 5% 63V	C72	4130306 100 nF 10% 63V
C21	4030038 100 nF -20+80% 25V	C74	4030038 100 nF -20+80% 25V
C22	4130235 47 nF 20% 63V	C75	4100264 2.4 nF 2.5% 63V
C23	4130306 100 nF 10% 63V	C76	4030038 100 nF -20+80% 25V
C24	4200512 1 µF 20% 50V	C77	4010107 22 nF -20+80% 40V
C25	4130376 1 µF 20% 63V	C78	4010106 10 nF -20+80% 40V
C26	4130233 220 nF 20% 63V	C79	4010103 2.2 nF 10% 63V
C27	4130235 47 nF 20% 63V	C80	4130236 330 nF 20% 63V
C30	4010105 1 nF 10% 63V	C82	4200510 10 µF 20% 16V
C31	4200516 47 µF 20% 16V	C83	4000150 68 pF 5% 63V
C32	4010107 22 nF -20+80% 40V	C84	4000167 18 pF 5% 63V
C33	4010106 10 nF -20+80% 40V	C85	4010107 22 nF -20+80% 40V
C35	4000230 82 pF 5% 63V	C87	4010107 22 nF -20+80% 40V
C36	4030038 100 nF -20+80% 25V	C88	4010105 1 nF 10% 63V
C37	4000333 18 pF 5% 63V	C89	4030038 100 nF -20+80% 25V
C38	4000177 12 pF 5% 63V	C91	4010106 10 nF -20+80% 40V
C39	4130235 47 nF 20% 63V	C92	4200517 2.2 µF 20% 50V
C41	4100236 1 nF 5% 63V	C93	4200516 47 µF 20% 16V
C42	4000177 12 pF 5% 63V	C95	4010106 10 nF -20+80% 40V
C44	4010105 1 nF 10% 63V	C96-98	4010128 470 pF 10% 63V
C45	4130376 1 µF 20% 63V	C99-100	4010110 270 pF 10% 63V
C50	4010106 10 nF -20+80% 40V	C101	4010105 1 nF 10% 63V
C51	4000156 68 pF 5% 63V	C102	4010110 270 pF 10% 63V
C53	4010107 22 nF -20+80% 40V	C104	4010106 10 nF -20+80% 40V
C54	4130235 47 nF 20% 63V		

L1	8020646 Coil 5.5 MHz (system B/G/L)	L7	8020539 Coil 38.9 MHz
L1	8020537 Coil 6 MHz (system I)	L8	8020646 Coil 5.5 MHz
L2	8020589 Coil 38.9 MHz	L9	8020552 Coil 10 µH
L3	8020619 Coil 36 MHz	L10	8020551 Coil 4.7 µH
L4	8020646 Coil 5.5 MHz (system B/G/L)	L11	8020539 Coil 38.9 MHz
L4	8020537 Coil 6 MHz (system I)	L12	8020565 Coil 2.2 µH
L5	8020593 Coil 5.5 MHz	L13	8022250 Coil 4.7 mH
L6	8020646 Coil 5.5 MHz	L15-16	8020565 Coil 2.2 µH
		L17-18	8020552 Coil 10 µH

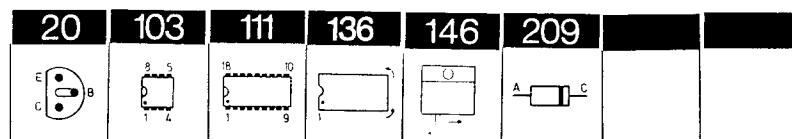
FE2	6710008 Ferrite core	FE4	6710008 Ferrite core
FE3	6710008 Ferrite core		

TU1	8050092 Tuner S-kanal
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BP1	8030021 Cer. filter 5.5 MHz
BP2	8030029 Cer. filter 5.74 MHz ±50 kHz
BP3	8030028 Cer. filter 5.74 MHz ±75 kHz
BP4	8030026 Cer. filter 5.5 MHz ±50 kHz
BP5	8030033 Cer. filter 6 MHz (system I)
BP6	8030021 Cer. filter 5.5 MHz

SW1	8030027 Filter 38.9/33.4 MHz (system B/G/L)
SW1	8030032 Filter (system I)

X1	8090074 Crystal 8 MHz
X2	8090000 Crystal 4 MHz



Resistors not mentioned are standard,
please see page 3-12
All IC's protected against static electricity

P1	7220427	Plug 5/5 pol	P33	7220429	Plug 7/7 pol
P2	7220430	Plug 8/8 pol	P58	7220425	Plug 3/3 pol
P3	7220432	Plug 10/10 pol	P59	7220428	Plug 6/6 pol
P4	7220424	Plug 2/2 pol	P60	7220431	Plug 9/9 pol
P5	7220488	Plug 3/3 pol	P62	7220489	Plug 2/2 pol
P6	7220481	Plug 7/7 pol			

**PCB 52, 8003910,
IF System L**

IC1* 8340223 111 TDA 4420 IC2 8340725 136 TDA 2543

TR1	8320509	20 BC 548B	TR5	8320509	20 BC 548B
TR2	8320510	20 BC 558B	TR6	8320512	20 BC 338-25
TR3	8320509	20 BC 548B	TR7-8	8320509	20 BC 548B
TR4	8320510	20 BC 558B	TR9	8320510	20 BC 558B

D1-5	8300058	209 1N 4148	D7-8	8300058	209 1N 4148
D6	8300154	209 ZPD 6.8V			

R3	5020797	68 Ω 5% 1W	R16	5370058	4.7 kΩ 20% 0.1W
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C1	4000202	2.2 pF ±0.25 pF 63V	C13	4200342	10 μF -10+50% 63V
C2	4200617	47 μF 20% 10V	C14	4010103	2.2 nF 10% 63V
C3	4200551	33 μF 20% 16V	C15	4200544	22 μF 20% 16V
C4	4000156	68 pF 5% 63V	C16	4010103	2.2 nF 10% 63V
C5	4130230	100 nF 20% 63V	C17	4010106	10 nF -20+80% 40V
C6	4010103	2.2 nF 10% 63V	C18	4000334	47 pF 5% 63V
C7	4010106	10 nF -20+80% 40V	C19	4010106	10 nF -20+80% 40V
C8	4000135	150 pF 5% 63V	C20	4000202	2.2 pF ±0.25 pF 63V
C9	4010101	4.7 nF 10% 63V	C21	4000313	22 pF 5% 63V
C10	4200539	100 μF 20% 10V	C22	4010111	3.3 nF 10% 63V
C11	4010106	10 nF -20+80% 40V	C23	4130230	100 nF 20% 63V
C12	4010111	3.3 nF 10% 63V			

L1	8020541	Coil 32.4 MHz	L3	8020539	Coil 38.9 MHz
L2	8020589	Coil 38.9 MHz			

SW1	8030082	Filter (system L)
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P3	7210660	Mini Jack socket	P60	7210196	Plug 9/9 pol
P59	7210273	Plug 6/6 pol			

**PCB 53, 8003881,
Time Base and Double A/V**

IC2-3*	8340500	146 TDA 2040	IC6	8340195	103 LF 353
IC4	8341001	136 SDA 2526	IC7	8340569	103 LM 358 N
IC5	8340462	136 TDA 1940	IC8-10	8340711	136 TDA 8440

TR1-2	8320579	20 BC 549C	TR14	8320523	20 BC 328-25
TR3-5	8320509	20 BC 548B	TR15	8320509	20 BC 548B
TR11	8320509	20 BC 548B	TR18-20	8320512	20 BC 338-25
TR12	8320510	20 BC 558B	TR21	8320509	20 BC 548B
TR13	8320509	20 BC 548B	TR26-27	8320509	20 BC 548B

D3-4	8300058	209 1N 4148	D26	8300058	209 1N 4148
D5	8300479	209 ZPD 5.1V	D27	8300296	209 ZPD 5.6V
D6-14	8300058	209 1N 4148	D29	8300058	209 1N 4148
D18-20	8300058	209 1N 4148	D31	8300058	209 1N 4148
D22	8300058	209 1N 4148	D32	8300201	209 ZPD 6.2V
D23-24	8300296	209 ZPD 5.6V	D33	8300058	209 1N 4148
D25	8300407	209 ZPD 12V			

*Specially selected or adapted sample

R35	5020110 10 kΩ 1% 1/4W	R80	5020110 10 kΩ 1% 1/4W
R45	5020229 9.53 kΩ 1% 1/4W	R85	5370322 2.2 kΩ 20% 0.1W
R59	5020110 10 kΩ 1% 1/4W	R87	5370346 470 Ω 20% 0.1W
R60	5020343 15.4 kΩ 1% 1/4W	R101	5370346 470 Ω 20% 0.1W
R62	5020114 11 kΩ 1% 1/4W	R106	5370347 1 kΩ 20% 0.1W
R63	5370325 2.2 kΩ 20% 0.1W	R108	5370305 10 kΩ 20% 0.1W
R65	5370305 10 kΩ 20% 0.1W	R111	5370305 10 kΩ 20% 0.1W
R76	5020736 768 kΩ 1% 1/4W	R224	5020792 5.6 Ω 5% 1W
R77-78	5020263 100 kΩ 1% 1/4W	R226	5020806 18 Ω 5% 2W
R79	5020083 33.2 kΩ 1% 1/4W		

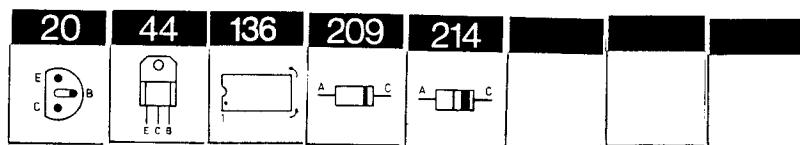
C11	4200395 470 µF -10+50% 16V	C62	4200515 4.7 µF 20% 25V
C12	4200515 4.7 µF 20% 25V	C63	4130304 22 nF 10% 63V
C13	4000139 100 pF 5% 63V	C64	4010111 3.3 nF 10% 63V
C14	4200515 4.4 µF 20% 25V	C65	4010107 22 nF -20+80% 40V
C15	4000139 100 pF 5% 63V	C67-70	4200512 1 µF 20% 50V
C16-17	4200512 1 µF 20% 50V	C71	4000136 22 pF 5% 63V
C18	4200515 4.7 µF 20% 25V	C72	4200512 1 µF 20% 50V
C19	4010103 2.2 nF 10% 63V	C73	4200525 22 µF 20% 10V
C20-21	4200617 47 µF 20% 10V	C74	4130233 220 nF 20% 63V
C22	4130313 470 nF 20% 63V	C75	4200512 1 µF 20% 50V
C23	4200525 22 µF 20% 10V	C76	4200516 47 µF 20% 16V
C24	4200559 3300 µF -10+50% 40V	C77-78	4200525 22 µF 20% 10V
C25-26	4130233 220 nF 20% 63V	C79	4000205 150 pF 5% 63V
C27	4010106 10 nF -20+80% 40V	C81	4201035 2.2 µF -10+50% 63V
C28	4200515 4.7 µF 20% 25V	C82	4130313 470 nF 20% 63V
C29	4010103 2.2 nF 10% 63V	C84	4130313 470 nF 20% 63V
C30-31	4200617 47 µF 20% 10V	C86	4200512 1 µF 20% 50V
C32	4130313 470 nF 20% 63V	C88	4200512 1 µF 20% 50V
C33	4200559 3300 µF -10+50% 40V	C90	4200512 1 µF 20% 50V
C34-35	4130233 220 nF 20% 63V	C92-93	4130313 470 nF 20% 63V
C36	4010106 10 nF -20+80% 40V	C94	4200512 1 µF 20% 50V
C37	4200517 2.2 µF 20% 50V	C98	4200517 2.2 µF 20% 50V
C38	4010107 22 nF -20+80% 40V	C99-100	4200510 10 µF 20% 16V
C40	4200628 100 µF 20% 16V	C101	4010107 22 nF -20+80% 40V
C41	4200517 2.2 µF 20% 50V	C102	4200628 100 µF 20% 16V
C42	4200510 10 µF 20% 16V	C103	4200628 100 µF 20% 16V
C43	4000226 68 pF 5% 63V	C104	4000165 220 pF 5% 63V
C44	4200515 4.7 µF 20% 25V	C105	4010105 1 nF 10% 63V
C45	4130241 10 nF 20% 63V	C106	4130241 10 nF 20% 63V
C46	4130230 100 nF 20% 63V	C107	4200510 10 µF 20% 16V
C47	4130233 220 nF 20% 63V	C108	4200515 4.7 µF 20% 25V
C48	4100231 10 nF 2.5% 63V	C112	4200516 47 µF 20% 16V
C50	4000227 330 pF 5% 63V	C115	4130305 33 nF 10% 63V
C51	4130262 22 nF 20% 63V	C117	4200510 10 µF 20% 16V
C52	4200523 0.47 µF 20% 50V	C118	4200512 1 µF 20% 50V
C53	4130387 47 nF 1% 63V	C125	4200524 10 µF 20% 25V
C54	4010107 22 nF -20+80% 40V	C126	4200516 47 µF 20% 16V
C55	4010105 1 nF 10% 63V	C127	4200510 10 µF 20% 16V
C56	4200617 47 µF 20% 10V	C128	4200617 47 µF 20% 10V
C57	4130305 33 nF 10% 63V	C129	4200544 22 µF 20% 16V
C58	4130240 47 nF 10% 63V	C131	4200628 100 µF 20% 16V
C59	4130241 10 nF 20% 63V	C134	4000146 15 pF 5% 63V
C60	4010107 22 nF -20+80% 40V	C135-	4010155 220 pF 10% 63V
C61	4130230 100 nF 20% 63V	138	

L1-2 6850114 Coil 0.5 µH

P7	7220555 Plug 15/15 pol	P14	7220411 Plug 2/2 pol
P8	7220419 Plug 10/10 pol	P40	7220433 Plug 11/11 pol
P9	7220421 Plug 12/12 pol	P41	7220434 Plug 12/12 pol
P10	7220414 Plug 5/5 pol	P44	7220411 Plug 2/2 pol
P11	7220415 Plug 6/6 pol	P45	7220426 Plug 4/4 pol
P12	7220411 Plug 2/2 pol	P46	7220433 Plug 11/11 pol

PCB 55, 8003885,
Sound ProcessingIC101 8340938 136 TDA 8405
IC102 8341037 136 TDA 8421

D102 8300058 209 1N 4148



Resistors not mentioned are standard,
please see page 3-12
All IC's protected against static eletricity

R105	5020569 1.3 kΩ 1% 1/4W	R113	5020852 909 Ω 1% 1/4W
R106	5370326 10 kΩ 20% 0.1W	R114	5020508 121 kΩ 1% 1/4W
R107	5020569 1.3 kΩ 1% 1/4W	R115	5020850 619 kΩ 1% 1/4W
R108	5020141 4.75 kΩ 1% 1/4W	R116	5020362 56.2 kΩ 1% 1/4W
R111	5020288 1 MΩ 1% 1/4W	R117	5020853 357 Ω 1% 1/4W
R112	5020851 332 kΩ 1% 1/4W		

C102-103	4200510 10 µF 20% 16V	C129-132	4200523 0.47 µF 20% 50V
C104	4130388 39 nF 2.5% 63V	C133	4030038 100 nF -20+80% 25V
C105	4000155 56 pF 5% 63V	C134	4200628 100 µF 20% 16V
C106	4130388 39 nF 2.5% 63V	C135	4200544 22 µF 20% 16V
C107	4100238 3.3 nF 5% 63V	C136-	4130303 15 nF 10% 63V
C108	4200628 100 µF 20% 16V	137	
C109	4030038 100 nF -20+80% 25V	C138-	4010182 3.9 nF 10% 63V
C110	4200510 10 µF 20% 16V	139	
C111	4200628 100 µF 20% 16V	C140-	4130257 33 nF 20% 63V
C112	4200515 4.7 µF 20% 25V	141	
C113	4130313 470 nF 20% 63V	C142-	4010183 5.6 nF 10% 63V
C114	4130235 47 nF 20% 63V	143	
C115	4200395 470 µF -10+50% 16V	C148-	4010105 1 nF 10% 63V
C117-120	4100270 39 nF 1% 63V	149	
C121-122	4130300 68 nF 20% 63V		

L101	8022135 Coil 2.6 mH
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P35	7220429 Plug 7/7 pol	P38	7220433 Plug 11/11 pol
P36	7220426 Plug 4/4 pol		

IC101	8340938 136 TDA 8405	IC102	8341037 136 TDA 8421
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D102	8300058 209 1N 4148
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R105	5020569 1.3 kΩ 1% 1/4W	R108	5020141 4.75 kΩ 1% 1/4W
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C102	4200510 10 µF 20% 16V	C138-	4010182 3.9 nF 10% 63V
C104	4130388 39 nF 2.5% 63V	139	
C109	4030038 100 nF -20+80% 25V	C140-	4130257 33 nF 20% 63V
C111	4200628 100 µF 20% 16V	141	
C115	4200395 470 µF -10+50% 16V	C142-	4010183 5.6 nF 10% 63V
C129-132	4200523 0.47 µF 20% 50V	143	
C133	4030038 100 nF -20+80% 25V	C144-	4010106 10 nF -20+80% 40V
C134	4200628 100 µF 20% 16V	145	
C135	4200544 22 µF 20% 16V	C148-	4010105 1 nF 10% 63V
C136-137	4130303 15 nF 10% 63V	149	

P35	7220429 Plug 7/7 pol	P38	7220433 Plug 11/11 pol
P36	7220426 Plug 4/4 pol		

IC1	8340720 136 SAA 5231	IC3	8340885 136 6264-P15
IC2	8341068 136 SAA 5243		

TR1	8320523 20 BC 328-25	TR5-6	8320512 20 BC 338-25
TR2	8320542 44 BD 825-16	TR7-12	8320509 20 BC 548B

D1-2	8300058 209 1N 4148	D4	8300316 209 ZPD 13V
D3	8300409 214 BAV 20	D18	8300296 209 ZPD 5.6V

PCB 56, 8003889,
Sound Processing Mono

PCB 57, 8003961,
Teletext

R1	5020591 6.8 Ω 5% 2W	R28	5020801 2.74 k Ω 1% 1/4W
R27	5011210 1.05 k Ω 1% 1/4W	R58-59	5370346 470 Ω 20% 0.1W

C1-2	4200517 2.2 μ F 20% 50V	C15	4010105 1 nF 10% 63V
C3	4200628 100 μ F 20% 16V	C16	4010128 470 μ F 10% 63V
C4	4010107 22 nF -20-80% 40V	C17	4010107 22 nF -20-80% 40V
C5	4200516 47 μ F 20% 16V	C18	4000237 270 μ F 5% 63V
C6	4000165 220 pF 5% 63V	C19	4000204 100 pF 5% 63V
C7	4200616 6.8 μ F 20% 25V	C20	4000133 15 pF 5% 63V
C8	4200512 1 μ F 20% 50V	C21	4030038 100 nF -20-80% 25V
C9	4130240 47 nF 10% 63V	C22	4000168 120 pF 5% 63V
C10	4130308 220 nF 10% 63V	C23	4030038 100 nF -20-80% 25V
C12	4000140 27 pF 5% 63V	C24	4010106 10 nF -20-80% 40V
C13	4130300 68 nF 20% 63V	C25	4130230 100 nF 20% 63V
C14	4000133 15 pF 5% 63V	C28-29	4030038 100 nF -20-80% 25V

L1	8020554 Coil 15 μ H	L3	8020565 Coil 2.2 μ H
L2	8020555 Coil 6 MHz	L5	8020565 Coil 2.2 μ H

X1	8090052 Crystal 13.875 MHz
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P29	7220555 Plug 15/15 pol
P34	7220429 Plug 7/7 pol

TR400-	8320108 20 BC 548B
	402

D400-	8300058 209 1N 4148
	402

C20	4000144 10 pF \pm 0.25 pF 63V	C402	4200510 10 μ F 20% 16V
C57	4000146 15 pF 5% 63V	C417	4100234 220 pF 5% 63V
C68	4130369 47 pF 10% 100V	C420	4100236 1 nF 5% 63V
C400	4000136 22 pF 5% 63V	C421	4010105 1 nF 10% 63V
C401	4010105 1 nF 10% 63V		

L4	8020037 Coil 15 μ H
L400	8020288 Coil

X400	8090054 Crystal 3.58 MHz
X401	8090065 Crystal 4.43 MHz

IC301-	8340611 136 LM 393N
	302

TR301	8320108 20 BC 548B
	306

R304	5030605 976 k Ω 1% 1/4W	R313	5020226 75 k Ω 1% 1/4W
R305-	5020263 100 k Ω 1% 1/4W	R319	5310122 5 k Ω
	306		

C301	4010061 2.2 nF 10% 63V	C308	4200512 1 μ F 20% 50V
C304	4130395 27 nF 1% 63V	C309	4200631 0.22 μ F 20% 50V

2034066 Screw AM 2 x 5
3162286 Drill gauge

Standard resistors:
Resistors SMD 5% 1/8 W

	X1	X10	X100	X1K	X10K	X100K	X1M	X10M
1.0	5011333	5011295	5011273	5011197	5011272	5011207	5011320	5011332
1.2		5011296	5011279	5011198	5011273	5011195	5011321	
1.5		5011203	5011205	5011306	5011189	5011198	5011322	
1.8		5011297	5011300	5011286	5011311	5011196	5011323	
2.2	5011282	5011192	5011194	5011307	5011312	5011208	5011324	
2.7	5011283	5011275	5011301	5011183	5011271	5011316	5011325	
3.0				5011520				
3.3	5011289	5011202	5011188	5011184	5011313	5011317	5011326	
3.9	5011290	5011298	5011302	5011308	5011314	5011318		
4.7	5011291	5011191	5011303	5011193	5011284	5011206	5011436	
5.1								
5.6	5011292	5011276	5011304	5011309	5011199	5011288		
6.8	5011293	5011190	5011305	5011186	5011200	5011319		
8.2	5011294	5011185	5011187	5011285	5011315	5011201		

Resistors 5% 1/2 W

	X1	X10	X100	X1K	X10K	X100K	X1M	X10M
1.0	5011000	5011013	5011028	5011044	5010313	5011069	5011083	
1.2	5011406	5011001	5011014	5011030	5010405	5011058	5010421	
1.5	5010727	5011002	5011015	5011031	5011046	5011059	5011071	
1.8	5010857	5010787	5011016	5011033	5011047		5011072	
2.2	5011335	5010708	5010815	501034	501048	5011061	5011074	
2.7		5010803	5011018	5010055	5011049	5011062	5011075	
3.3	5010255	5011007	5011019	5011037		5011063	5010381	
3.9	5010782	5011021	5010700	501035	501036	5011065	5010392	
4.7	5010765	5011009	5011022	5010035	501036	5011065	5011078	
5.6	5011010	5011023	50101041	5010141		5011066	5011079	
6.8	5010874	5011011	5011024	5011042	5010810	5011067	5011080	
8.2	5011012	5011026	5011043	5010038	5010038	5011068	5011081	

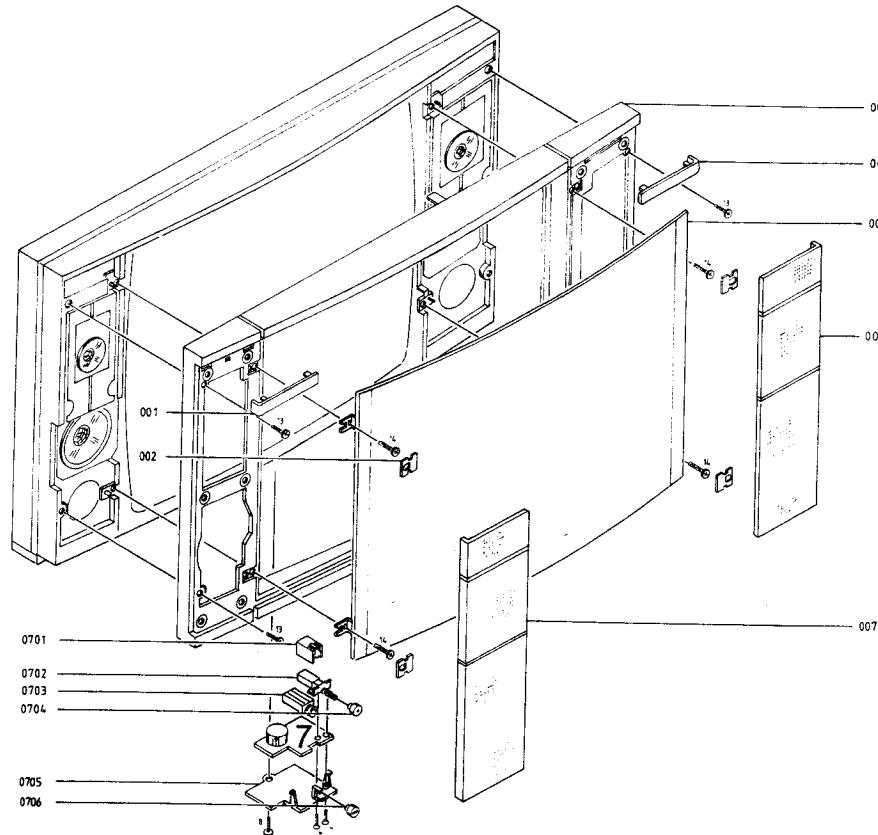
Resistors 5% 1/4 W

	X1	X10	X100	X1K	X10K	X100K	X1M	X10M
1.0	5010592	5010506	5010065	5010040	5010059	5010049	5010054	5010638
1.2		5010595	5010128	5010153	5010046	5010047	5010665	
1.5	5011348	5010468	5010057	5010247	5010053	5010063	5010093	
1.8		5010822	5010362	5010066	5010135	5010072	5010791	
2.2	5010682	5010448	5010092	5010064	5010079	5010120	5010245	
2.7	5010925	5010403	5010000	5010298	5010141	5010083	5010431	
3.3	5011253	5010044	5010076	5010075	5010117	5010117	5010848	
3.9	5011377	5010622	5010070	5010069	5010060	5010073	5010714	
4.7	5010888	5010411	5010058	5010048	5010045	5010077	5011513	
5.6	5010706	5010151	5010067	5010041	5010061	5010071	5010658	
6.8	5010904	5010039	5010144	5010052	5010062	5010074		
8.2	5010880	5010056	5010068	5010154	5010091	5010505		

Resistors 5% 1/8 W

	X1	X10	X100	X1K	X10K	X100K	X1M	X10M
1.0	5011464	5011357	5010816	5010935	5011440	5011459	5020875	
1.2		5011351	5011084	5011442	5011338	5011341	5011175	
1.5	5011463	5011443	5011178	5011364	5011398	5011460		
1.8		5011350	5011361	5011344	5011468			
2.2	5011032	5011376	5010886	5011353	5010833	5011369	5011342	
2.7		5011471	5011355	5011362	5011366	5011370	5011478	
3.3		5011337		5010827	5011346	5011371	5011462	
3.9	5011438	5011038	5011441	5011157	5011457	5011372	5020876	
4.7	5011363		5011363	5010937	5011343			
5.6	5011412	5011358	5010885	501166	5011340			
6.8	5011356	5011336	5010839	5011367	5011458			
8.2	5011466	5011354	5011339	5011368	5011373			

LIST OF MECHANICAL PARTS
Front frame



Front frame for Beovision
LX 2802

001	3450542 Cap
002	3164570 Cap
003	3430355 Front frame
004	3946065 Tightening rail, top
005	3946078 Tightening rail, side-bottom
006	3946092 Tightening rail, angle
007	3450542 Cap
008	3450641 Glass plate
009	3950018 Rubber string, side
010	3950024 Rubber string, top-bottom
011	3450640 Loudspeaker panel, right
012	3450639 Loudspeaker panel, left

Front frame for Beovision
LX 2502

001	3450574 Cap
002	3164570 Cap
003	3430356 Front frame
004	3946074 Tightening rail, top
005	3946077 Tightening rail, side-bottom
006	3946092 Tightening rail, angle
007	3450574 Cap
008	3450660 Glass plate
009	3950018 Rubber string, side
010	3950024 Rubber string, top-bottom
011	3450644 Loudspeaker panel, right
012	3450643 Loudspeaker panel, left

Front frame for Beovision
LX 2802 White Line

001	3450542 Cap
002	3164559 Cap
003	3430338 Front frame
004	3946065 Tightening rail, top
005	3946078 Tightening rail, side-bottom
006	3946092 Tightening rail, angle
007	3450542 Cap
008	3450641 Glass plate
009	3950018 Rubber string, side
010	3950024 Rubber string, top-bottom
011	3450664 Loudspeaker panel, right
012	3450663 Loudspeaker panel, left

Front frame for Beovision
LX 2502 White Line

001	3450574 Cap
002	3164559 Cap
003	3430375 Front frame
004	3946074 Tightening rail, top
005	3946077 Tightening rail, side-bottom
006	3946092 Tightening rail, angle
007	3450574 Cap
008	3450660 Glass plate
009	3950018 Rubber string, side
010	3950024 Rubber string, top-bottom
011	3450687 Loudspeaker panel, right
012	3450686 Loudspeaker panel, left

Front frame for Beovision L2802

001	3450542 Cap
002	3164559 Cap
003	3430338 Front frame
004	3946065 Tightening rail, top
005	3946078 Tightening rail, side-bottom
006	3946092 Tightening rail, angle
007	3450542 Cap
008	3450641 Glass plate
009	3950018 Rubber string, side
010	3950024 Rubber string, top-bottom
011	3450662 Loudspeaker panel, right
012	3450661 Loudspeaker panel, left

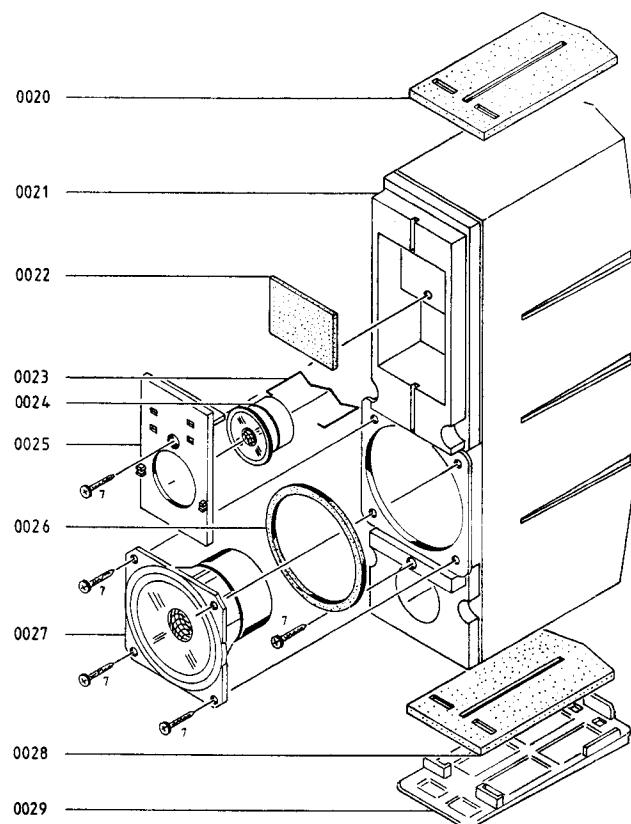
Front frame for Beovision L2502

001	3450574 Cap
002	3164559 Cap
003	3430375 Front frame
004	3946074 Tightening rail, top
005	3946077 Tightening rail, side-bottom
006	3946092 Tightening rail, angle
007	3450574 Cap
008	3450660 Glass plate
009	3950018 Rubber string, side
010	3950024 Rubber string, top-bottom
011	3450685 Loudspeaker panel, right
012	3450684 Loudspeaker panel, left

07 Modul, Headphone

0701	3164613 Cap f/mains switch
0702	7450048 Mains switch
	6271102 Mains lead w/euro plug
	6271091 Mains lead f/AUS
0703	7210386 Jack plug
0704	2776032 Button f/mains switch
0705	3131240 Cap
0706	2776033 Button, P-step

Loudspeaker Cabinet



Loudspeaker cabinet for Beovision L/LX2802

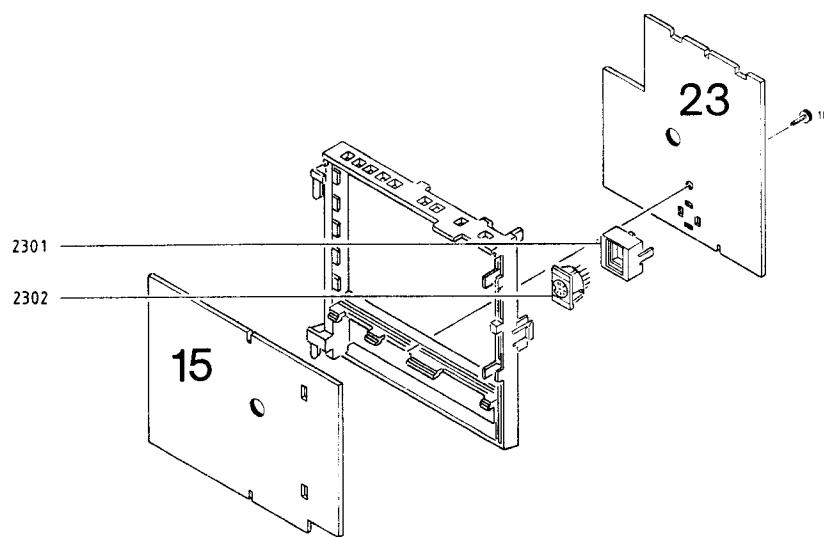
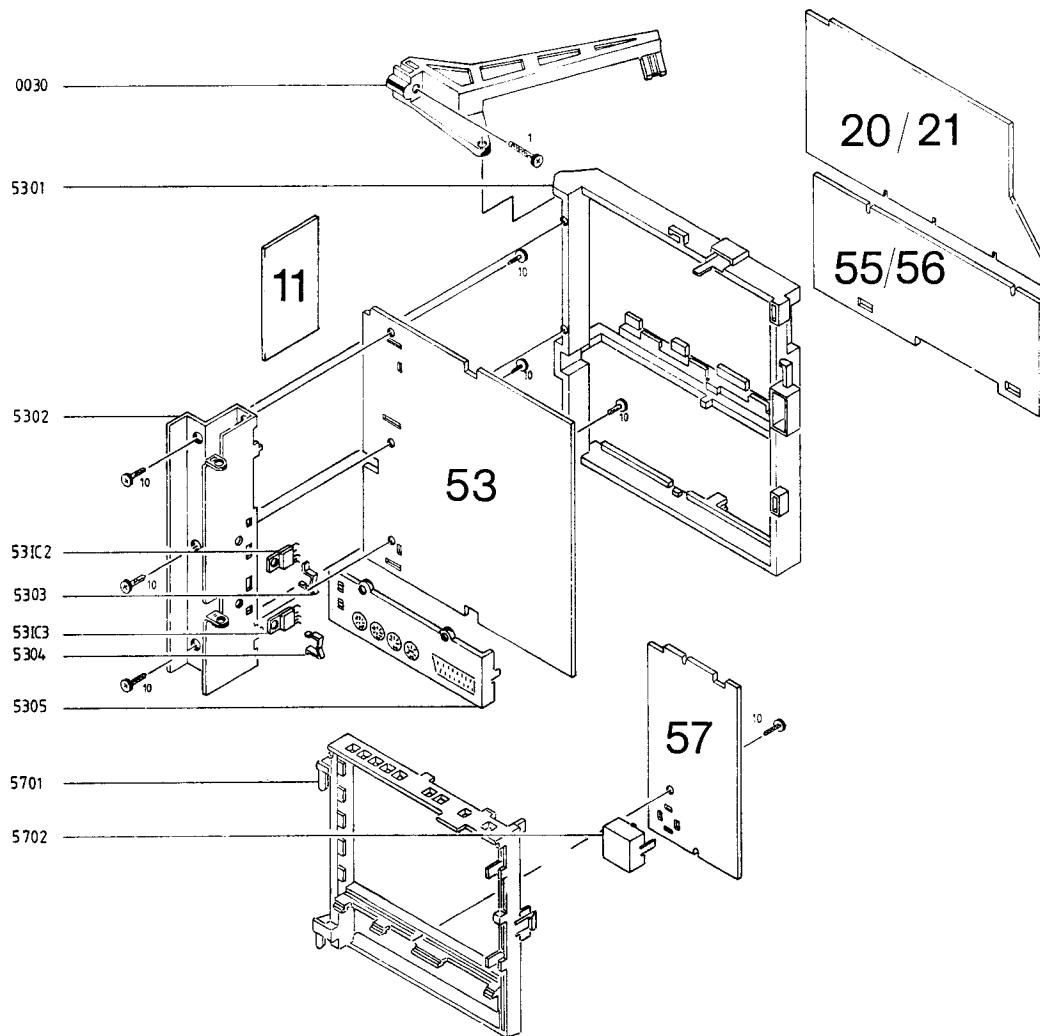
0020	3152614 Pressure pad
0021	3430373 Loudspeaker cabinet, right
	3430374 Loudspeaker cabinet, left
0022	3907051 Pressure pad
0023	2819207 Spring
0024	8480204 Treble speaker
0025	3152433 Loudspeaker suspension
0026	3340034 Gasket
0027	8480162 Bass speaker 8Ω f/LX 2802
	8480167 Bass speaker 8Ω f/L 2802
0028	3152614 Pressure pad
0029	3035054 Plastik foot

Loudspeaker cabinet for Beovision L/LX2502

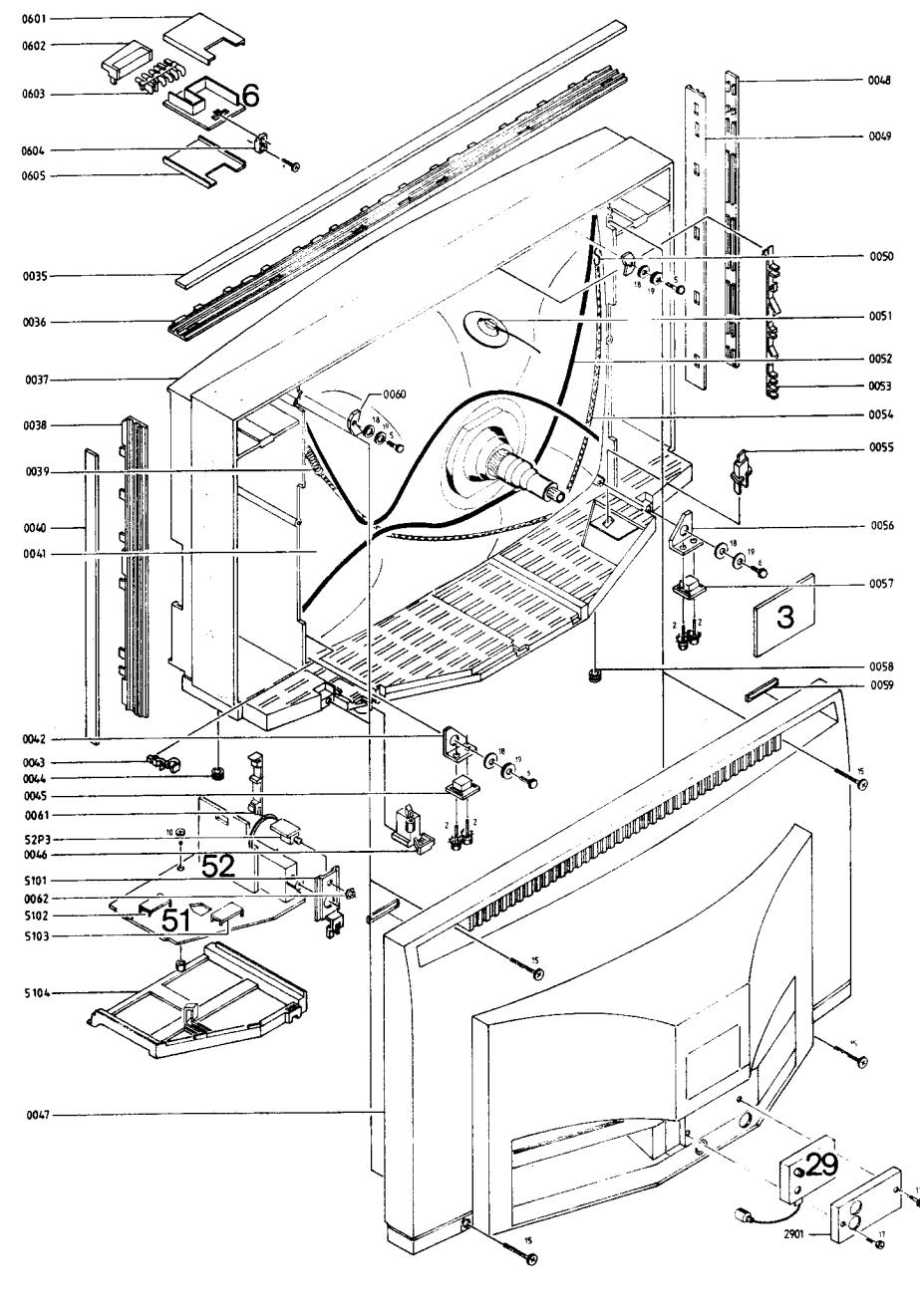
0020	3152450 Pressure pad
0021	3430376 Loudspeaker cabinet, right
	3430377 Loudspeaker cabinet, left
0026	3340047 Gasket
0027	8480164 Bass speaker 8Ω f/LX 2502
	8480205 Bass speaker 8Ω f/L 2502
0028	3152450 Pressure pad

Other parts like loudspeaker cabinet for Beovision L/LX2802

Sound Chassis



Cabinet



Cabinet for Beovision LX 2802

0035	2569074	Profile, top
0036	3152415	Holder
0037	3414791	Cabinet, teak
	3414793	Cabinet, rosewood
	3414795	Cabinet, white
	3414799	Cabinet, maple
	3302403	Screen plate
	2620076	Felt washer
0038	3152539	Holder, right
0039	2810189	Spring
0040	2568935	Profile, side
0041	8200055	Picture tube 28" type A66 EAK00X2
0042	3152446	Bracket
0043	3152413	Holder
0044	2389046	Drive fit nut
0045	2576200	Spacer
0046	3015107	Guide, signal chassis
0047	3414896	Rear cover
0048	2568935	Profile, side
0049	3152438	Holder, left
0050	2510119	Clamp
0051	6270315	EHT cable
0052	8022222	Degaussing coil
0053	3152414	Holder
0054	7510033	Ground current
0055	2574014	Support f/transformer
0056	3152432	Bracket
0057	2576200	Spacer
0058	2389046	Drive fit nut
0059	3164600	Cap
0060	2576170	Spacer
0061	3152603	Holder f/PCB 52
0062	2380145	Nut f/minijack socket

03Modul 8003595 Video Output

06Modul 8003604 IR Receiver and LED's
0601 3164558 Cap
0602 3131241 Housing
0603 3375049 Lense
0604 3152435 Holder
0605 3164558 Cap
6270327 Aerial plug

29Modul 8003719 Transposer
2901 3131276 Cap

51Modul 8003871 Tuner and IF System B/G
8003904 Tuner and IF System I
5101 3450539 Front plate
5102 3162300 Screen f/IC1
5103 3162300 Screen f/IC3
5104 3114229 Chassis

Cabinet for Beovision LX2502

0035	2569071	Profile, top
0036	3152451	Holder
0037	3414881	Cabinet, teak
	3414883	Cabinet, rosewood
	3414885	Cabinet, white
	3414889	Cabinet, maple
	3302403	Screen plate
	2620076	Felt washer
0038	3152538	Holder, right
0040	2568956	Profile, side
0041	8200056	Picture tube 25" type A59 EAK00X02
0047	3414906	Rear cover
0048	2568956	Profile, side

0049	3152452 Holder, left
0052	8022249 Degaussing coil
0054	7510034 Ground current
0059	3164601 Cap

Other parts like cabinet for Beovision LX 2802

**Cabinet for Beovision LX2802
White Line**

0035	2569075 Profile, top
0036	3152516 Holder
0037	3414798 Cabinet, white line
	3302403 Screen plate
	2620076 Felt washer
0038	3152541 Holder, right
0040	2568938 Profile, side
0047	3414898 Rear cover
0048	2568938 Profile, side
0049	3152517 Holder, left

Other parts like cabinet for Beovision LX 2802

**Cabinet for Beovision LX2502
White Line**

0035	2569072 Profile, top
0036	3152546 Holder
0037	3414888 Cabinet, white line
	3302403 Screen plate
	2620076 Felt washer
0038	3152548 Holder, right
0040	2568958 Profile, side
0041	8200056 Picture tube 25" type A59 EAK00X02
0047	3414908 Rear cover
0048	2568958 Profile, side
0049	3152547 Holder, left
0052	8022249 Degaussing coil
0054	7510034 Ground current
0059	3164601 Cap

Other parts like cabinet for Beovision LX2802

Cabinet for Beovision L2802

0035	2569073 Profile, top
0037	3414797 Cabinet, grey
	3302403 Screen plate
	2620076 Felt washer
0040	2568935 Profile, side
0048	2568935 Profile, side

Other parts like cabinet for Beovision LX 2802

Cabinet for Beovision L2502

0035	2569070 Profile, top
0036	3152451 Holder
0037	3414887 Cabinet, grey
	3302403 Screen plate
	2620076 Felt washer
0038	3152538 Holder, right
0040	2568956 Profile, side
0041	8200056 Picture tube 25" type A59 EAK00X02
0047	3414906 Rear cover
0048	2568956 Profile, side
0049	3152452 Holder, left
0052	8022249 Degaussing coil
0054	7510034 Ground current
0059	3164601 Cap

Other parts like cabinet for Beovision LX 2802

Survey of screws and washers

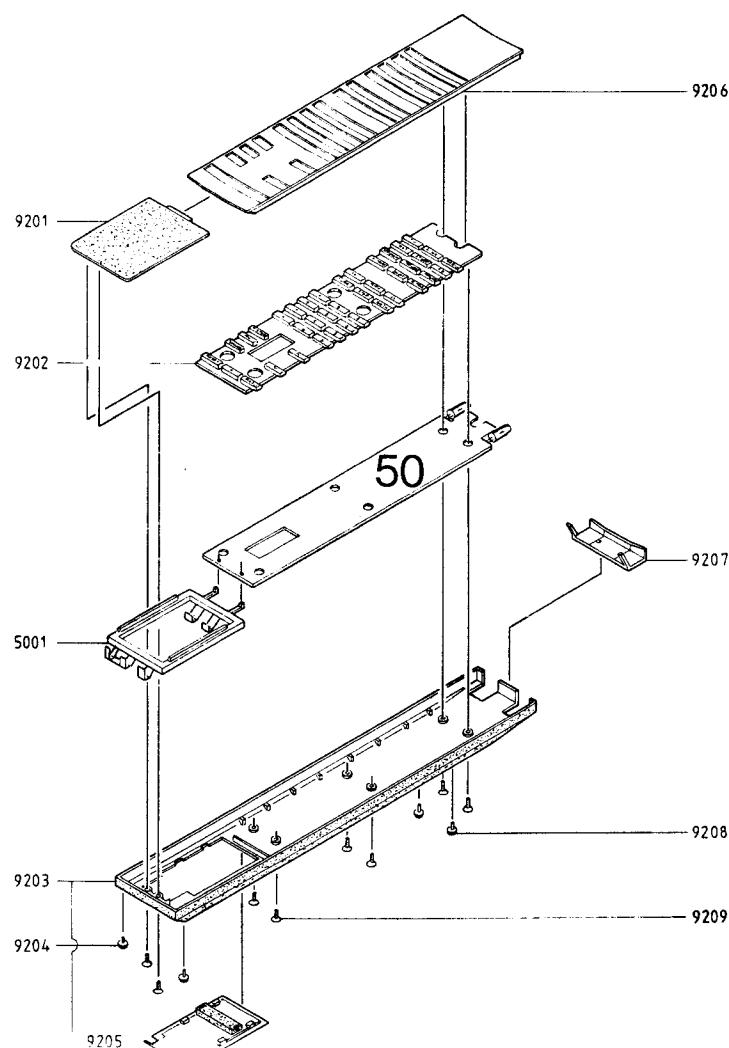
1	2015010 Screw M 3.5 x 16 DIN 7981
2	2044042 Screw AM 3 x 12 DIN 912
4	2039017 Screw AM 3 x 12 DIN 965
5	2044047 Screw M 5 x 25 DIN 933
6	2044021 Screw M 5 x 12 DIN 933
7	2015208 Screw 3.5 x 19 DIN 7981
8	2015066 Screw 3.3 x 16 mm
9	2015200 Screw 3.5 x 6.5 DIN 7981
10	2015201 Screw 3.5 x 9.5 mm
11	2015910 Screw 3.5 x 9.5 mm
12	2622003 Washer 4.3 DIN 6738
13	2019007 Screw 4 x 16 mm
14	2021006 Screw 5 x 20 mm
15	2021000 Screw 5 x 20 mm
17	2015116 Screw 3.5 x 25 mm
18	2622269 Washer
19	2623031 Washer

Parts not shown

7220026	COAX-plug 75Ω, black
7221034	COAX-plug 75Ω, basket plug
3397568	Foam packing for L/LX 2802
3397593	Foam packing for L/LX 2502
3391935	Outer carton for L/LX 2802
3391979	Outer carton for L/LX 2502
3503484	Owner's manual Danish
3503485	Owner's manual Swedish
3503486	Owner's manual Finnish
3503487	Owner's manual English
3503488	Owner's manual German
3503489	Owner's manual Dutch
3503490	Owner's manual French
3503491	Owner's manual Greek
3503492	Owner's manual Italian
3503493	Owner's manual French/MS

Beolink 1000

8930130 Beolink 1000
 8930140 Beolink 1000, Antiope
 8930150 Beolink 1000, Italian



50Modul 8003894 Remote Control

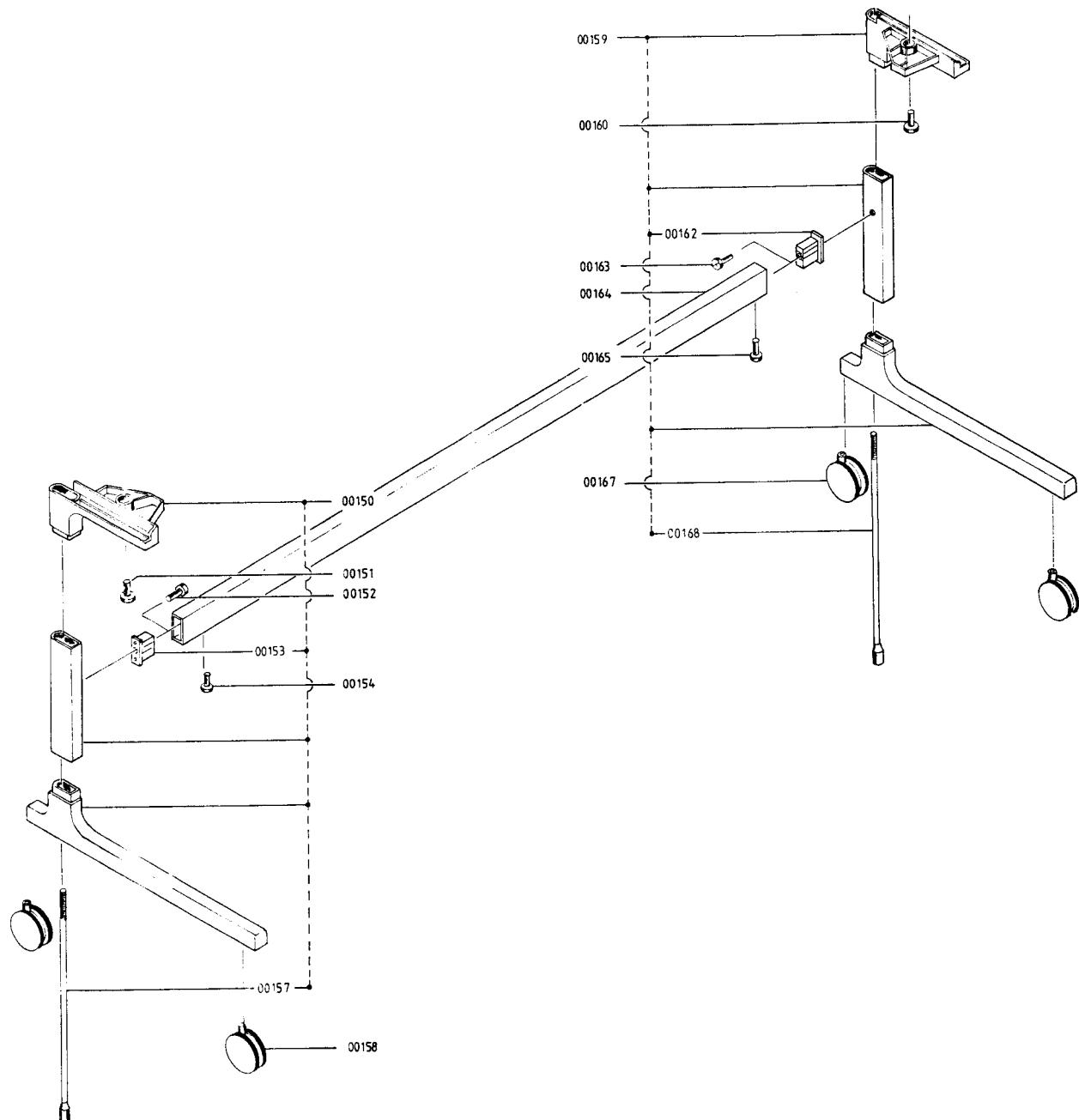
5001 3015152 Guide f/battery
 7500211 Contact spring

9201	3164688 Battery lid
9202	2776086 Set of buttons, type 3013/3014
	2776087 Set of buttons, type 3015
9203	3131300 Bottom
9204	3103274 Plastic foot
9205	3164606 Battery cover
9206	3131297 Top, type 3013
	3131298 Top, type 3014
	3131299 Top, type 3015
9207	3375047 Lens
9208	3103274 Plastic foot
9209	2034066 Screw AM 2 x 5 DIN 965

Parts not shown

8700017 Battery
3395073 Outer carton
3397650 Foam packing
3390210 Bag
3503495 Owner's manual Danish
3503496 Owner's manual Swedish
3503497 Owner's manual Finnish
3503498 Owner's manual English
3503499 Owner's manual German
3503500 Owner's manual Dutch
3503501 Owner's manual French, type 3013
3503504 Owner's manual French, type 3014
3503502 Owner's manual Greek
3503503 Owner's manual Italian

TV-Stand



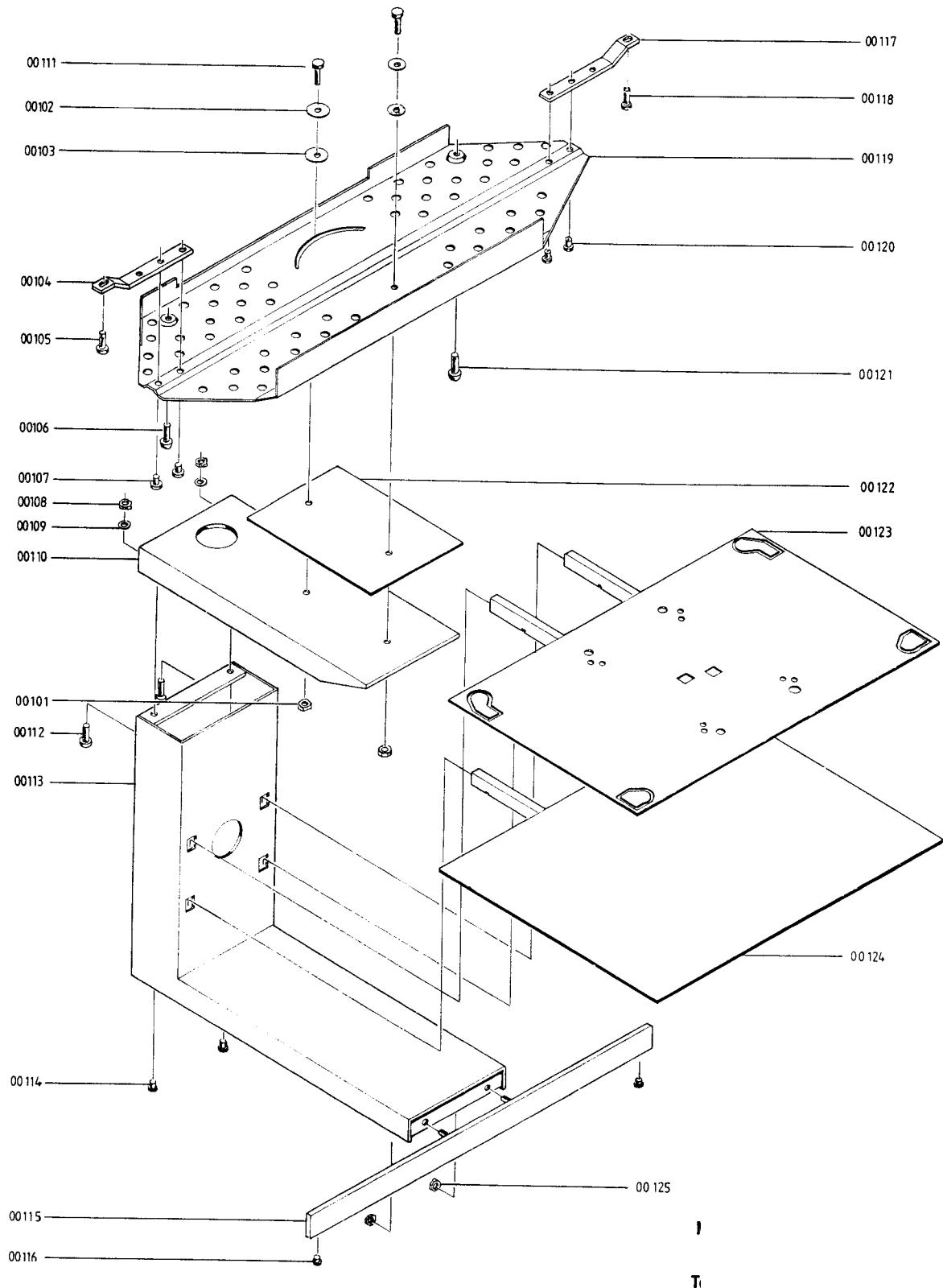
TV-Stand 8930726

00150	3103276 Gable, left
00151	2046200 Screw AM 6 x 16
00152	2039065 Screw M 3 x 16
00153	3152531 Holder
00154	2015118 Screw 3.5 x 22 mm
00157	2046018 Axis
00158	3032019 Wheel
00159	3103275 Gable, right
00160	2046200 Screw AM 6 x 16
00162	3152531 Holder
00163	2039065 Screw M 3 x 16
00164	2576196 Travers for L/LX 2802
00165	2576198 Travers for L/LX 2502
00167	3032019 Wheel
00168	2046018 Axis
	3391963 Packing
	3397564 Foam packing
	3390273 Bag with parts

TV-Stand 8930725 - white

00150	3103278 Gable, left
00151	2046200 Screw AM 6 x 16
00152	2039065 Screw M 3 x 16
00153	3152531 Holder
00154	2015118 Screw 3.5 x 22 mm
00157	2046018 Axis
00158	3032018 Wheel
00159	3103277 Gable, right
00160	2046200 Screw AM 6 x 16
00162	3152531 Holder
00163	2039065 Screw M 3 x 16
00164	2576197 Travers for L/LX 2802
00165	2576199 Travers for L/LX 2502
00167	3032018 Wheel
00168	2046018 Axis
	3391963 Packing
	3397564 Foam packing
	3390273 Bag with parts

Video-Stand



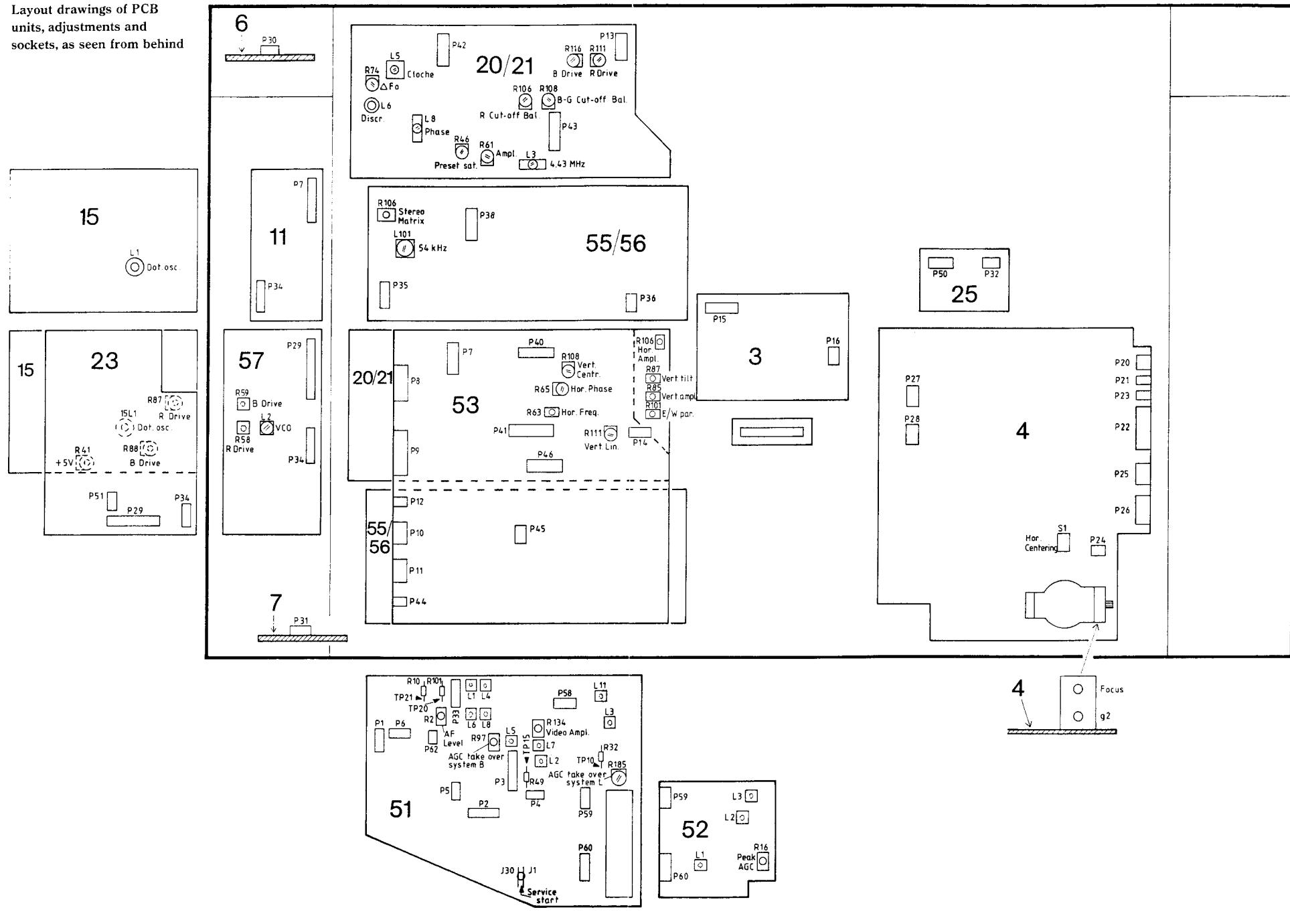
Video-Stand 8930736/8930746	00101	2380130 Nut M6
	00102	2622413 Washer
	00103	2622414 Washer, plast
	00104	3456146 Spacer
	00105	2046024 Screw AM 6 x 16
	00106	2021006 Screw 5 x 20 mm
	00107	2046023 Screw AM 4 x 8
	00108	2380148 Nut M6
	00109	2622415 Washer
	00110	3458437 Holder
	00111	2046024 Screw AM 6 x 16
	00112	2046025 Screw M 6 x 20
	00113	3100043 Holder
		3341061 Hole plug
	00114	3035051 Plastic foot
	00115	3450675 Profile
	00116	3035051 Plastic foot
	00117	3456146 Space
	00118	2046024 Screw AM 6 x 16
	00119	3124112 Rotary plate
	00120	2046023 Screw AM 4 x 8
	00121	2021006 Screw 5 x 20 mm
	00122	3900032 Gasket
	00123	3151251 Shelf for type 3073
	00124	3151254 Shelf for type 3074
	00125	2380130 Nut M6
		3391809 Packing
		3397595 Foam packing
		3390290 Bag with parts
		3543068 Assembling guide
		2510157 Holder f/connector leads

Video-Stand 8930735/8930745 – white	00101	2380130 Nut M6
	00102	2622419 Washer
	00103	2622420 Washer, plast
	00104	3456153 Spacer
	00105	2046200 Screw AM 6 x 16
	00106	2021008 Screw 5 x 20 mm
	00107	2046028 Screw AM 4 x 8
	00108	2380126 Nut M6
	00109	2622351 Washer
	00110	3458484 Holder
	00111	2046200 Screw AM 6 x 16
	00112	2046005 Screw M 6 x 20
	00113	3100054 Holder
		3341062 Hole plug
	00114	3035051 Plastic foot
	00115	3450699 Profile
	00116	3035051 Plastic foot
	00117	3456153 Space
	00118	2046200 Screw AM 6 x 16
	00119	3124112 Rotary plate
	00120	2046028 Screw AM 4 x 8
	00121	2021008 Screw 5 x 20 mm
	00122	3915042 Gasket
	00123	3151255 Shelf for type 3073
	00124	3151257 Shelf for type 3074
	00125	2380130 Nut M6
		3391809 Packing
		3397595 Foam packing
		3390300 Bag with parts
		3543068 Assembling guide
		2510157 Holder f/connector leads

Survey of wire bundles	L/LX 2802	L/LX 2502	Survey of wire bundles	L/LX 2802	L/LX 2502
OP37	- 4P26	6275597	6275638	51P5	- 4P20
3P15	- 20/21P13	6275598	6275598	51P6	- 5P34
3P16	- 4P25	6275630	6275642	51P33	- 55/56P35
3P17	- 4T5	6031856	6031896	53P7	- 57P29
4P20	- 51P5	6275629	6275641	53P8	- 51P3
4P21	- 53P14	6275611	6275639	53P9	- 4P22
4P22	- 53P9	6275628	6275640	53P10	- 51P1
4P23		6275647	6275674	53P11	- 7P31
4P24	- 25P32	6275674	6275674	53P12	
4P25	- 3P16	6275630	6275642	53P14	- 4P21
4P26	- 0P37	6275597	6275638	53P40	- 20/21P42
6P30	- 51P2	6275633	6275643	53P41	- 20/21P43
7P31	- 53P11	6275599	6275599	53P44	- 51P4
20/21P13	- 3P15	6275598	6275598	53P45	- 55/56P36
20/21P42	- 53P40	6275603	6275603	53P46	- 55/56P38
20/21P43	- 53P41	6275604	6275604	55/56P35	- 51P33
23P51	- 25P50	6275675	6275675	55/56P36	- 53P45
25P32	- 4P24	6275674	6275674	55/56P38	- 53P46
25P50	- 23P51	6275675	6275675	57P29	- 53P7
51P1	- 53P10	6275631	6275631	57P34	- 51P6
51P2	- 6P30	6275633	6275643		
51P3	- 53P8	6275632	6275632		
51P4	- 53P44	6275670	6275670		

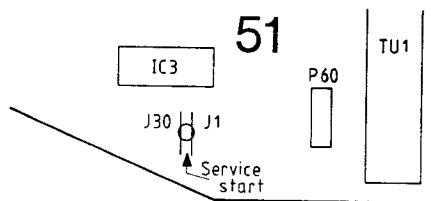
Survey of packings for module transport			
Module no.	Description	Packing no.	Remarks
3	Video Output	3391574	
4	Power Supply and Deflection	3391844 3397605	
6	IR-Receiver and Led's	3391574	
7	Headphone	3391574	
11	Display	3391574	
15	Antiope Digital	3391576	
20	Pal/Secam Decoder	3391575	
21	Pal Decoder	3391575	
23	Antiope Analog	3391576	
25	Power Supply Antiope	3391574	
29	Transposer	3391574	
50	Beolink 1000 Terminal	3391574	
51	Tuner IF	3391844	
52	IF	3391574	
53	Time Base and Double A/V	3391844	
55	Sound Processing	3391575	
56	Sound Processing Mono	3391575	
57	Teletext	3391576	

Layout drawings of PCB units, adjustments and sockets, as seen from behind



SERVICEJUSTERINGER VED HJÆLP AF TERMINAL

SERVICE ADJUSTMENTS BY MEANS OF TERMINAL



Reset

Lys og farvemætning indstilles på nominelle værdier (32 på billedskærmens front).

Denne værdi gemmes (Stores) i modtageren, **STORE PICTURE STORE** således at den indstilles ved aktivering af **RESET**.

Preset

Justering ved hjælp af Beolink 1000 terminal.

Preset justering (reference niveau) af lys, farvemætning og valg af transposefrekvens. Sidstnævnte i multistandard modtagere (System B-G-L).

Lys og farvemætning indstilles til nominelle værdier, som under **RESET**.

1. Modtager i ST BY.
2. Sæt modtageren i serviceposition ved at kortslutte J1 og J30 (service start) på modul 51.
3. Tænd modtageren (tryk **TV**).

Justeringsoversigt

Reset

Brilliance and saturation is set at nominal values (32 on the front of the viewing screen). Store this value in the receiver **STORE PICTURE STORE** in the way that it sets when activating **RESET**.

Preset

Adjustment by means of Beolink 1000 terminal.

Preset adjustment (reference level) of brilliance, saturation and selection of transpose frequency. The latter in multistandard receivers (System B-G-L).

Brilliance and saturation are set at nominal values, like for **RESET**.

1. Receiver in ST BY.
2. Place the receiver in service position by short circuiting J1 and J30 (service start) on module 51.
3. Switch on the receiver (press **TV**).

Adjustments Survey

Justering/Adjustment	Område/Range	Typisk værdi/Typical value
Lys/Brilliance	0-7	3
Mætning/Saturation	0-7	3
Transpose frequency	193-200	197 Anvendes ved forkert frekvens udlæsning på skærmen (kun multistandard apparater). Is to be used at false frequency text on the screen (only multistandard).

↗-knappen skifter til næste justering.

The **↗**-button switches to next adjustment.

Justering sker ved hjælp af **↖** og **↗**.

Adjustment takes place by means of **↖** and **↗**.

De ønskede værdier lagres ved aktivering af **STORE** to gange. Display skifter til grønt. Omfatter kun den justering der indikeres af displayet.

Store the values wanted by activating **STORE** twice. Display switches into green. This goes only for the adjustment indicated on the display.

JUSTERINGSVEJLEDNING

Under de efterfølgende justeringer skal modtageren være tilsluttet et normalt farvetestbillede, hvis ikke andet er nævnt.

Service justeringer via terminal skal være foretaget.

Modul 51 Tuner IF System B/G/I**Video ampl.**

Oscilloskop tilsluttet TP15, på modul 51 (Tuner IF).

Med R134 Video ampl., på modul 51 (Tuner IF) justeres til 2,2 V fra synk spids til 100% hvidt.

AGC Take Over

Før denne justering, skal fjernsynet være tændt i minimum 15 minutter.

Antennesignal på 1,5 mV.

Voltmeter tilsluttet TP10, på modul 51 (Tuner IF).

Med R97 AGC Take Over, på modul 51 (Tuner IF), justeres til spændingen i TP10 begynder at falde.

Modul 51/52 Tuner IF System L**Peak AGC**

Test billede System L.

Oscilloskop tilsluttet TP14, på modul 52 (IF).

Med R16 Peak AGC, på modul 52 (IF), justeres til 2,5 V fra synk spids til 100% hvidt.

AGC Take Over

Test billede System L.

Før denne justering, skal fjernsynet være tændt i minimum 15 minutter.

Antennesignal på 1,5 mV.

Voltmeter tilsluttet TP10, på modul 51 (Tuner IF).

Med R185 AGC Take Over, på modul 51 (Tuner IF), justeres til spændingen i TP10 begynder at falde.

HORISONTAL AFBØJNING**Hor. frekvens**

På modul 53 (Time Base and A/V) kortsluttes ben 12 og 14 på IC5.

På modul 53 (Time Base and A/V) justeres med R63 til langsomst billedrul.

Kortslutning fjernes.

Øst/vest Parabel

Justeres på modul 53 (Time Base and A/V) med R101.

ADJUSTMENT INSTRUCTION

When undertaking the following adjustments the receiver must be connected to a normal colour test picture, if nothing else is mentioned.

Service adjustments via terminal must be made.

Module 51 Tuner IF System B/G/I**Video ampl.**

Connect oscilloscope to TP15, on module 51 (Tuner IF).

Adjust with R134 Video ampl. on module 51 (Tuner IF) to 2.2 V from sync peak till 100% white.

AGC Take Over

Before this adjustment, the TV-set must be switched on for minimum 15 minutes.

Aerial signal of 1.5 mV.

Connect voltmeter to TP10, on module 51 (Tuner IF).

Adjust with R97 AGC Take Over on module 51 (Tuner IF) until the voltage on TP10 falls.

Module 51/52 Tuner IF System L**Peak AGC**

Test picture System L.

Connect oscilloscope to TP14 on module 52 (IF).

Adjust with R16 Peak AGC, on module 52 (IF), to 2.5 V from synch peak till 100% white.

AGC Take Over

Test picture System L.

Before this adjustment the TV-set must be switched on for minimum 15 minutes.

Aerial signal of 1.5 mV.

Connect voltmeter to TP10, on module 51 (Tuner IF).

Adjust with R185 AGC Take Over on module 51 (Tuner IF), until voltage in TP10 falls.

HORIZONTAL DEFLECTION**Hor. frequency**

Short circuit pins 12 and 14 of IC5 on module 53 (Time Base and A/V).

Adjust with R63 to slow picture roll on module 53 (Time Base and A/V).

Remove short circuit.

East/West Parabola

Adjust with R101 on module 53 (Time Base and A/V).

Hor. amplitude

Justeres på modul 53 (Time Base and A/V) med R106.

Hor. centrering/Phase

Lys indstilles til maksimum.

Med R106 Horisontal amplitude, på modul 53 (Time Base and A/V), justeres til minimum.

Med R65 Horisontal phase, på modul 53 (Time Base and A/V), centreres billedet så det ligger indenfor scantiden.

Med S1 Horisontal centrering, på modul 4 (Power supply and deflection), centreres billedet bedst muligt.

Med R106 Horisontal amplitude, på modul 53 (Time Base and A/V) justeres korrekt.

Horisontal phase R65, på modul 53 (Time Base and A/V), efterjusteres.

Fokus

Lys- og farvemætning indstilles til nominelle værdier (32 på billedskærmen).

Kontrast indstilles til maksimum.

Med fokus potentiometeret (EHT transformator længst væk fra printet) justeres indtil der opnås maksimal skarphed set 9-10 cm fra skærmkanten.

VERTIKAL AFBØJNING

Vert. amplitude

Justeres med R85 på modul 53 (Time Base and A/V).

Vert. tilt

Justeres med R87 på modul 53 (Time Base and A/V).

Vert. Linearitet

Justeres med R111 på modul 53 (Time Base and A/V).

Vert. centrering

Justerer med R108 på modul 53 (Time Base and A/V).

Justeres til top og bund passer (er afhængig af R111 vertikal liniaritet).

PAL/SECAM

4,43 MHz

Oscilloscop tilsluttes TP3, på modul 20-21 (Pal/Secam-Pal Decoder).

Med L3 -4,43MHz, på modul 20-21 (Pal/Secam-Pal Decoder), justeres til minimum 4,43 MHz på signalet.

Hor. amplitude

Adjust with R106 on module 53 (Time Base and A/V).

Hor. centering/Phase

Set brilliance at maximum.

Adjust with R106 Horizontal amplitude, on module 53 (Time Base and A/V), to minimum.

Centre the picture to lie within the scan time using R65 Horizontal phase, on module 53 (Time Base and A/V).

Centre the picture the best possible way using S1 Horizontal centering on module 4 (Power supply and deflection).

Adjust correctly with R106 Horizontal amplitude, on module 53 (Time Base and A/V).

Re-adjust horizontal phase R65, on module 53 (Time Base and A/V).

Focus

Brilliance and saturation are set at nominal values (32 on the viewing screen).

Set contrast at maximum.

Use the focus potentiometer (EHT transformer farthest off the PCB), to adjust until maximum sharpness is achieved seen at a distance of 9-10 cm from the edge of the screen.

VERTICAL DEFLECTION

Vert. amplitude

Adjust with R85 on module 53 (Time Base and A/V).

Vert. tilt

Adjust with R87 on module 53 (Time Base and A/V).

Vert. linearity

Adjust with R111 on module 53 (Time Base and A/V).

Vert. centering

Adjust with R108 on module 53 (Time Base and A/V).

Adjust until top and bottom fits (depending upon R111 vertical linearity).

PAL/SECAM

4.43 MHz

Connect oscilloscope to TP3, on module 20-21 (Pal/Secam-Pal Decoder).

Adjust with L3 -4.43 MHz, on module 20-21 (Pal/Secam-Pal Decoder) until minimum 4.43 MHz on the signal.

Phase

Oscilloscop tilsluttes TP3, på modul 20-21 (Pal/Secam-Pal Decoder).

X-afbøjningen indstilles på $10\mu\text{s}/\text{cm}$. (Indstilles således at der ses både lige og ulige hor. linier).

Med L8 Phase, på modul 20-21 (Pal/Secam-Pal Decoder), justeres til bedst muligt sammenfald i farvebaren.

Amplitude

Modtageren tilsluttes et PAL-testbillede (farve bar).

Oscilloskop tilsluttes TP3, på modul 20-21 (Pal/Secam-Pal Decoder).

Med R61 Amplitude, på modul 20-21 (Pal/Secam-Pal Decoder) justeres til bedst muligt sammenfald yderst til højre af testbilledet.

Farvemætning

Aktiver **RESET** knappen på Beolink 1000 terminalen.

Lys- og farvemætning indstilles til nominelle værdier. (32 på billedskærmen).

Kontrast indstilles til 42.

Med R46 Saturation, på modul 20-21 (Pal/Secam-Pal Decoder), justeres indtil der opnås korrekt farvemætning set på testbilledet.

Cut-off

Inden denne justering foretages, kontrolleres at Hor. amplitude R106, på modul 53 (Time Base and A/V), er justeret korrekt.

Lys indstilles til nominel værdi (32 på billedskærmen).

Kortslut TP7 og TP8 på modul 20-21 (Pal/Secam-Pal Decoder).

Med et DC voltmeter ($R_i > 1$ Mohms) måles spændingsfaldet over 3R04, 3R10 og 3R16 på modul 3 (Video output).

Juster med gitter 2 (screen) potentiometeret (EHT transformator nærmest printet) indtil der er 17 V over den af 3R04, 3R10 og 3R16, der har det mindste spændingsfald.

Efter endt justering fjernes kortslutningen.

Cut-off balance

Lys indstilles til nominel værdi (32 på billedskærmen).

Farvemætning indstilles til minimum.

Med R108 og R106, på modul 20-21 (Pal/Secam-Pal Decoder), justeres de mørke partier (felter) i testbilledet til at være farveløs.

Phase

Connect oscilloscope to TP3, on module 20-21 (Pal/Secam-Pal Decoder).

Set X-deflection at $10\mu\text{s}/\text{cm}$.

(Is set so that even and uneven hor. lines can be seen).

Adjust with L8 Phase, on module 20-21 (Pal/Secam-Pal Decoder) until best possible convergence of the colour bar.

Amplitude

The receiver is connected to a PAL test picture (colour bar).

Connect oscilloscope to TP3, in module 20-21 (Pal/Secam-Pal Decoder).

Adjust with R61 Amplitude, on module 20-21 (Pal/Secam-Pal Decoder) until best possible convergence at the very righthand side of the test picture.

Saturation

Activate **RESET** button on the Beolink 1000 terminal.

Brilliance and saturation are set at nominal values (32 on the viewing screen).

Contrast is set at 42.

Use R46 Saturation, on module 20-21 (Pal/Secam-Pal Decoder) to adjust until correct saturation is achieved in the test picture.

Cut-off

Before this adjustment is made, check that hor. amplitude R106, in module 53 (Time Base and A/V) is correctly adjusted.

Brilliance is set at nominal value (32 on the viewing screen).

Short circuit TP7 and TP8 on module 20-21 (Pal/Secam-Pal Decoder).

With a DC voltmeter ($R_i > 1$ Mohms) the voltage drop over 3R04, 3R10 and 3R16 in module 3 (Video output) is measured.

Adjust with grid 2 (screen) potentiometer (EHT transformer closest to the PCB) until 17 V are measured over the one of 3R04, 3R10 and 3R16 with the smallest voltage drop.

After ended adjustment the short circuit is removed.

Cut-off balance

Set brilliance at nominal value (32 on the viewing screen).

Saturation is set at minimum.

Use R108 and R106, on module 20-21 (Pal/Secam-Pal Decoder) to adjust the dark parts (sections) of the test picture to be colourless.

Drive

Med R111 og R116, på modul 20-21 (Pal/Secam-Pal-Decoder), justeres til korrekt hvidpunkt.

Cloche filter

Modtageren tilsluttes et SECAM testbillede.

Oscilloskop tilsluttes IC2 ben 18 på modul 20 (Pal/Secam-Decoder).

Med L5 Cloche, på modul 20 (Pal/Secam-Decoder), justeres til bedst mulig farvebar.

NB. Denne justering kan også foretages ved at se på billedskærmen.

Med L5 Cloche på modul 20 (Pal/Secam-Decoder) justeres til bedst mulig farveovergang i farvebaren.

Secam Discriminator

Modtageren tilsluttes et SECAM testbillede.

Oscilloskop tilsluttes IC2 ben 18 på modul 20 (Pal/Secam-Decoder).

Med L6 Discriminator, på modul 20 (Pal/Secam-Decoder), justeres støjen i horisontal tilbageløbet til at ligge symmetrisk omkring reference niveauet.

ΔF_0

Modtageren tilsluttes en SECAM servicegenerator der kan afgive et testbillede med sort indhold, og hvorpå farvebærebølgen kan afbrydes.

Oscilloskop tilsluttes TP3 på modul 20 (Pal/Secam-Decoder).

Med R74 ΔF_0 , på modul 20 (Pal/Secam-Decoder), justeres sort niveauet til at have samme niveau med og uden farvebærebølge.

Amplitude

Modtageren tilsluttes et SECAM testbillede (farve bar).

Oscilloskop tilsluttes TP3 på modul 20 (Pal/Secam-Decoder).

Med R61 Amplitude, på modul 20 (Pal/Secam-Decoder), justeres til bedst mulig sammenfald i farvebaren.

Drive

Adjust with R111 and R116, on module 20-21 (Pal/Secam-Pal Decoder) until correct white point.

Cloche filter

The receiver is connected to a SECAM test picture.

Connect oscilloscope to IC2 pin 18 on module 20 (Pal/Secam-Decoder).

Adjust with L5 Cloche, on module 20 (Pal/Secam-Decoder) until best possible colour bar.

NB! This adjustment can also be achieved by looking at the viewing screen.

Adjust with L5 Cloche on module 20 (Pal/Secam-Decoder) until best possible colour shade of the colour bar.

Secam Discriminator

The receiver is connected to a SECAM test picture.

Connect oscilloscope to IC2 pin 18 on module 20 (Pal/Secam-Decoder).

Use L6 Discriminator, on module 20 (Pal/Secam-Decoder) to adjust the noise in the horizontal fly back to lie symmetrically around the reference level.

ΔF_0

Connect the receiver to a SECAM service generator which can produce a test picture with black contents and in which the colour carrier wave can be cut off.

Connect oscilloscope to TP3 on module 20 (Pal/Secam-Decoder).

Use R74 ΔF_0 on module 20 (Pal/Secam-Decoder) to adjust the black level to have the same level with or without colour carrier wave.

Amplitude

The receiver is connected to a SECAM test picture (colour bar).

Connect oscilloscope TP3 on module 20 (Pal/Secam-Decoder).

Adjust with R61 amplitude, on module 20 (Pal/Secam-Decoder) until best possible convergence in the colour bar.

STEREO DEKODER

Til justering af dekoderen skal der anvendes en CTV servicegenerator, der har mulighed for valg imellem følgende former for lydmodulation: Normal lyd (mono), stereo og double sound.

Ved udarbejdelse af denne justeringsprocedure er der anvendt en Philips generator »PM 5519 GX Colour TV Pattern Generator«.

CH1/CH2 lyd niveau

Stereo generator indstilles til dual sound, med samme modulation i begge kanaler.

Oscilloskop tilsluttes i TP21, på modul 51 (Tuner IF), værdien aflæses.

Oscilloskop tilsluttes i TP20, på modul 51 (Tuner IF), værdien aflæses.

Med R2 AF Level, på modul 51 (Tuner IF), justeres til samme værdi i TP20 som i TP21.

54 kHz

Indstil generatoren til STEREO lydmodulation.

Oscilloskop tilsluttes TP4, på modul 55 (Sound Processing).

Med L101 54 kHz, på modul 55 (Sound Processing), justeres til maksimum amplitude.

Matrix

Indstil generatoren til at afgive stereo lydmodulation i højre kanal (på Philips generatoren indtrykkes knapperne »mono/stereo« og »1(L)/1-2(R9)«).

Oscilloskop tilsluttes IC101 ben 21, på modul 55 (Sound Processing).

Med R106 Stereo Matrix, på modul 55 (Sound Processing), justeres indtil der måles mindst muligt signal.

STEREO DECODER

Use a CTV service generator, with the possibility of selection between the following sorts of sound modulation: Normal sound (mono), stereo and double sound, to adjust the decoder.

When working out this adjustment procedure a Philips generator »PM 5519 GX Colour TV Pattern Generator« is used.

CH1/CH2 sound level

Set stereo generator at dual sound, with same modulation in both channels.

Connect oscilloscope to TP21 on module 51 (Tuner IF), read the value.

Connect oscilloscope to TP20, on module 51 (Tuner IF) read the value.

Use R2 AF Level on module 51 (Tuner IF) to adjust to same value in TP20 as in TP21.

54 kHz

Set generator at STEREO sound modulation.

Connect oscilloscope to TP4 on module 55 (Sound Processing).

Use L101 54 kHz on module 55 (Sound Processing) to adjust to maximum amplitude.

Matrix

Set generator to give stereo sound modulation in the right channel (press the buttons "mono/stereo" and "1(L)/1-2(R9)" on the Philips generator).

Connect oscilloscope to IC101 pin 21 on module 55 (Sound Processing).

Adjust with R106 Stereo Matrix on module 55 (Sound Processing) until smallest possible signal is measured.

TELETEKST VCO

Fjernsynet bringes i Teletekst mode.

Kortslut IC1 ben 22, på modul 57 (Teletext), til stel.

Med L2 VCO, på modul 57 (Teletext), justeres til mest stillestående billede.

Kortslutning fjernes.

Drive (Hvid niveau)

Vælg en teletekst side med hvide felter.

Med R58 og R59 på modul 57 (Teletekst), justeres til korrekt hvidt.

ANTIOPE 5 Volt

Med R41, på modul 23 (Analog Decoder) justeres til $5\text{ V} \pm 0,25\text{ V}$.

12 Volt

$12\text{ V} \pm 0,8\text{ V}$ spændingen kontrolleres.

Dot OSC

Med L1 Dot Osc., på modul 15 (Digital Decoder), centrerer tekstbilledet.

NB. Hvis dot osc. er helt ude af justering kører videoprocessor ikke, og der vil ikke være display af tekst.

Drive (Hvid niveau)

Vælg en Antiope side med hvide felter.

Med R87 og R88 på modul 23 (Analog Decoder), justeres til korrekt hvidt.

TELETEXT VCO

Set the TV set in Teletext mode.

Short circuit IC1 pin 22, on module 57 (Teletext) to ground.

Adjust with L2 VCO, on module 57 (Teletext) to most static picture.

Remove short circuit.

Drive (White level)

Choose a Teletext page with white sections.

Use R58 and R59 on module 57 (Teletext) to adjust to the correct white colour.

ANTIOPE 5 Volt

Use R41, on module 23 (Analog Decoder) to adjust to $5\text{V} \pm 0.25\text{V}$.

12 Volt

Check $12\text{V} \pm 0.8\text{V}$ voltage.

Dot OSC

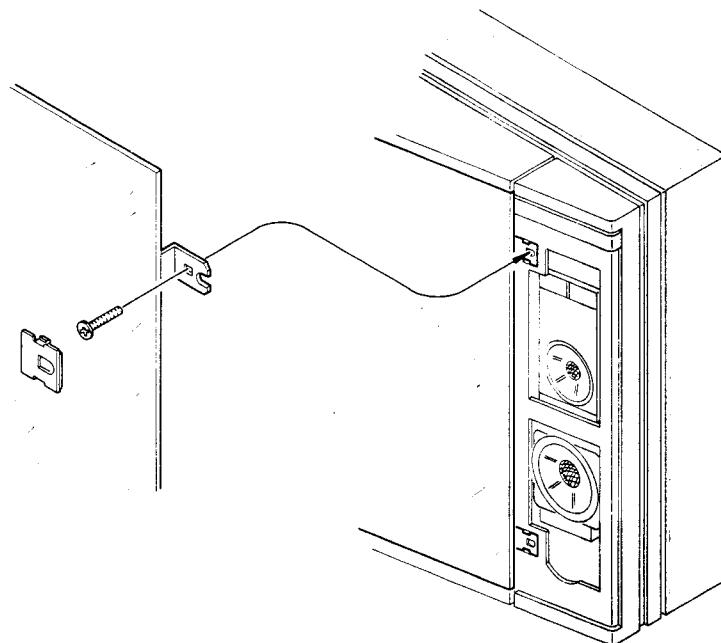
Use L1 Dot Osc., on module 15 (Digital Decoder) to centre the text picture.

NB. In case dot osc. is completely out of alignment, video processor does not work, and no text is displayed.

Drive (White level)

Choose an Antiope page with white sections.

Use R87 and R88 on module 23 (Analog Decoder) to adjust the correct white colour.

ADSKILLELSE
KontrastskærmSEPARATION
Contrast screen

Rammen med højttalerstof fjernes ved først at trække forsigtigt ud for neden, dernæst i midten, og til sidst foroven.

De fire dæksler, to i hver side, tages af med en lille flad skruetrækker.

Skruerne, som holder skærmen, er nu tilgængelige.

Afmonter de to nederste skruer og *kun* en foroven.

Hold godt fast på skærmen, medens den sidste skru fernes.

IR dæksel

Remove the frame with the loudspeaker cloth by first pulling carefully from the bottom, then in the middle and finally from the top.

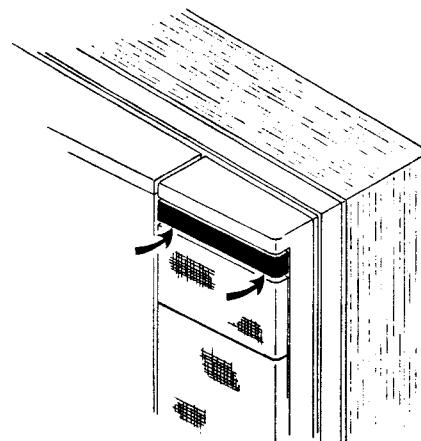
Remove the four caps, two in each side, using a small flat screw driver.

The screws, which hold the screen, are now accessible.

Remove the two bottom screws and *only one* from the top.

Hold tightly on to the screen while removing the last screw.

IR cover

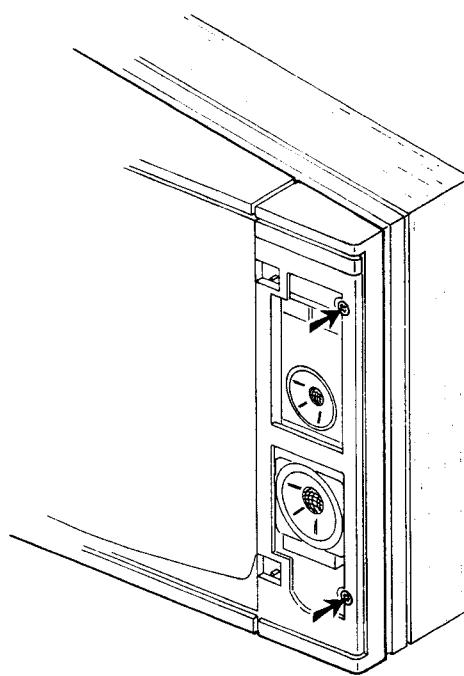


Tryk med en lille flad skruetrækker ind på tappene, som sidder i kanten på IR dækslet, vrid samtidig lidt opad.

Press a small flat screw driver on the tabs placed at the edge of the IR cover, while simultaneously twisting a little upwards.

Frontramme

Front frame



Kontrastskærmen afmonteres.

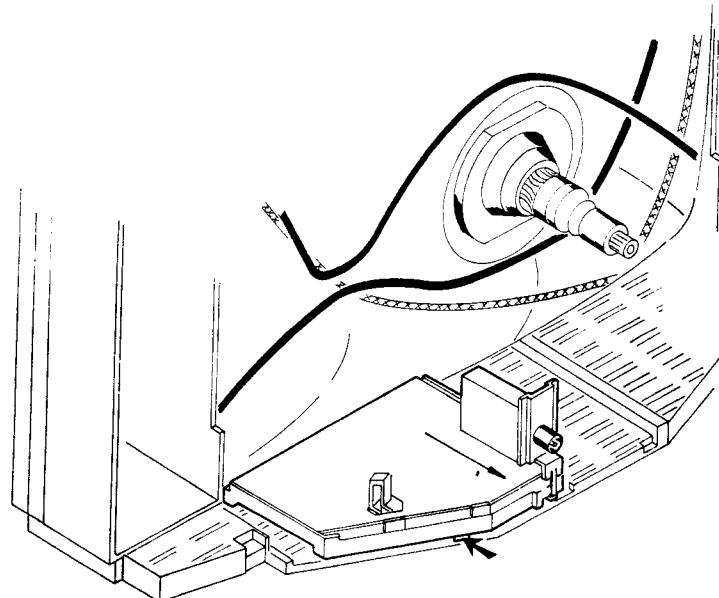
De to viste skruer og de to tilsvarende i den anden side skrues af, og frontrammen kan aftages.

Remove the contrast screen.

Unscrew the two screws illustrated and the two corresponding screws in the other side, then take off the front frame.

MF modul

IF module



Tappen, som sidder inde i hullet i chassiskanten, løsnes.

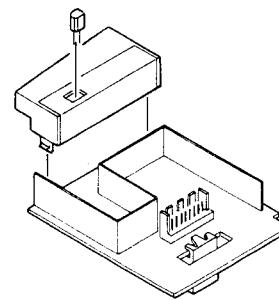
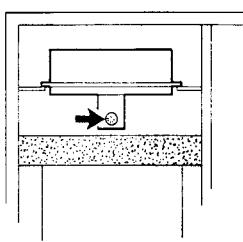
Træk samtidig udad i modulet.

Loosen the tap placed in the hole of the chassis edge.

Simultaneously pull the module outwards.

Dioder i IR modtager

Diodes in IR receiver



Den viste skrue fjernes.

Remove the screw illustrated.

Top og bund dæksler tages af.

Take off the top and the bottom covers.

Dioden som sidder i hullet på lyskassen loddes af.

Desolder the diode placed in the hole on the light box.

Lyskassen tages af, ved at trykke på de to tappe på printsiden.

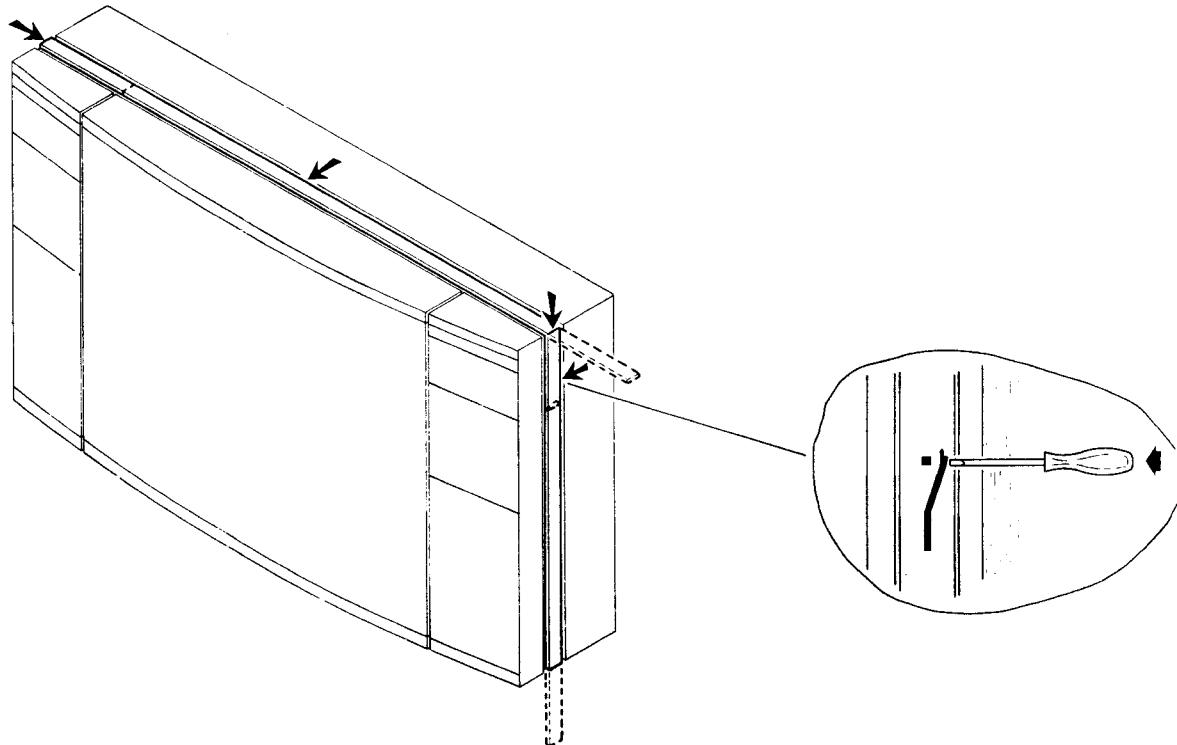
Remove the light box by pushing the two tabs on the copper foil side.

Dioderne er nu tilgængelige.

The diodes are now accessible.

Topliste/Sideliste

Top list/Side list



Sidelisterne løsnes ved at udløse låsen med en smal skruetrækker.

Loosen the side lists by releasing lock, using a small screw driver.

Når låsen er udløst, kan sidelisten skubbes ned.

Now the side list may be pushed down.

Toplisten løsnes som sidelisterne.

Loosen the top list like the side lists.

Toplisten skubbes mod højre.

Push the top list towards the right.

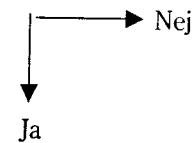
REPARATIONSTIPS

Reparationsguide hvis modtageren
går i st. by

Modtager i St. by

Check om der er
aktivitet på
SDA1/SCL1 (51IC1/3)

→ 1. Check for bus fejl
2. Check 5 V St. by



Tænd i audiomode
(Tryk AV RADIO)

St.By? →
↓
Prøver netdel
at starte op?
(50V pulser på
4T1 ben 17)

Hørbar opstart-
støj fra netdel? → Indikering for
powerfejl? → Check for
busfejl

Check forbrug
Skema I

Check forbrug
Skema I

Powerfejl = 5V på 51TR6 kollektor

Kontrol af forbrug på diverse forsyningsspændinger.
(Er målt i et Pal B/G apparat monteret med teletekst PCB 57)

I

Forsyningsspænding	Tilført testspænding (kun én af gangen)	Forbrug uden tilsluttet netspænding
150V	50V over 4C10	< 40mA
40V (split supply)	40V over 4C13	ca. 130mA
17V	17V over 4C11	ca. 420mA
9V	9V over 4C12	ca. 50mA
5V St. by	5V over 51C14	ca. 30mA

II

Tilført testspænding (Begge spændinger samtidig)	Forbrug når modtager tilsluttet 220V St. by Tilfør 17V over 57C1
17V over 4C11	ca. 760mA
9V over 4C12	ca. 230mA

Powerfejl = 5V på 51TR6 kollektor

SERVICE TIPS

Repair guide in case
the set goes in st. by

Receiver in St. by

Check whether there
is activity on
SDA1/SCL1 (51IC1/3)

1. Check for bus fail
2. Check 5 V St. by

Switch on in audio
mode (Press AV RADIO)



St. By? _____



Switch on in TV
mode (Press TV)



Does power supply
try to start up?

(50V pulses on
4T1 pin 17)



Audible starting
noise from power
supply? _____

Indication for
powerfail?

Check for
bus fail



Check consumption
Survey I

Check consumption
Survey I

St. by?



Hor. deflection OK?



Indication for
powerfail?



Check consumption
Survey II

Powerfail = 5V on 51TR6 collector

Check of consumption of various supply voltages.
(Measured in a Pal B/G television, mounted with teletext PCB 57)

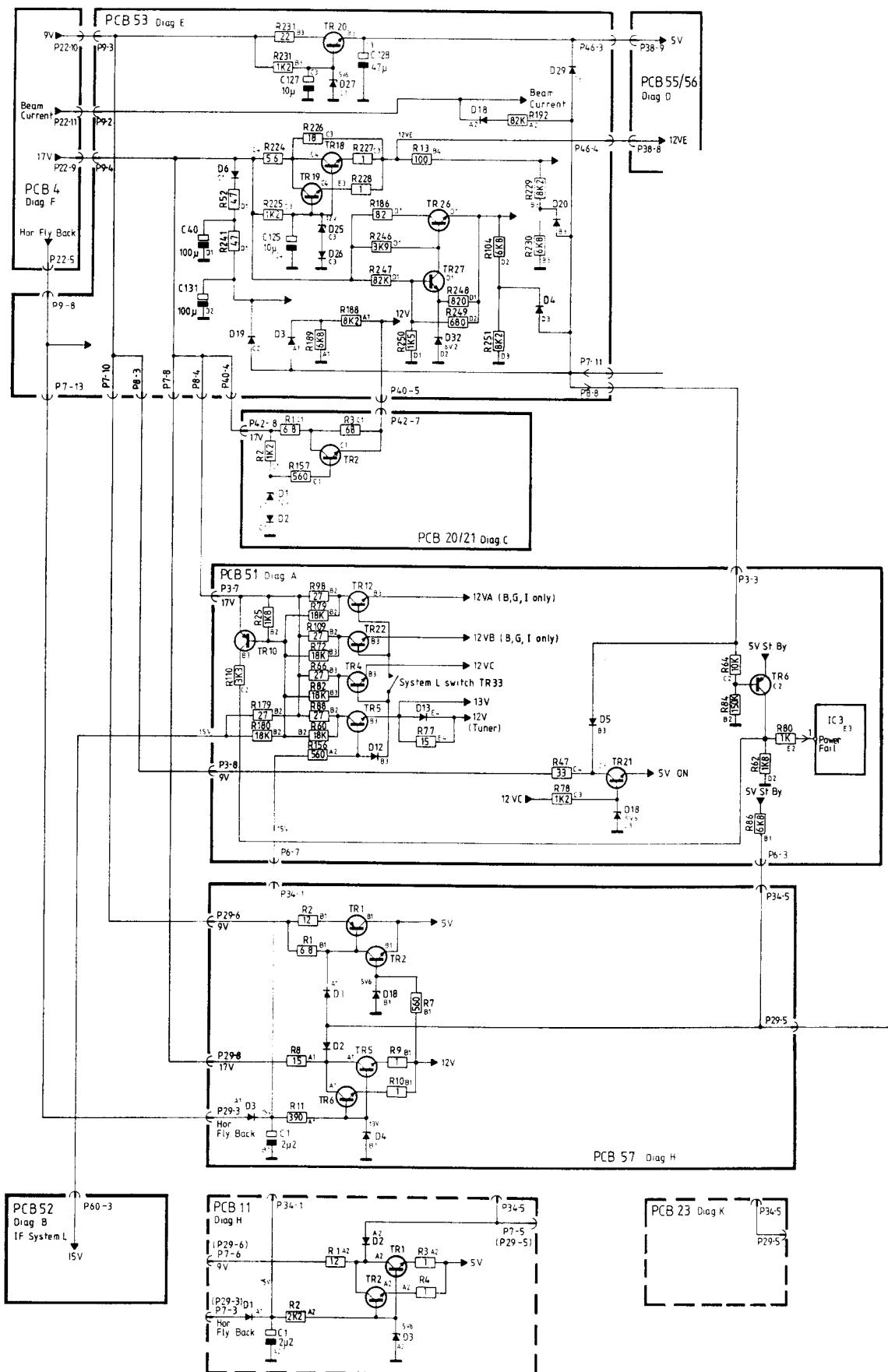
I

Supply voltage	Test voltage supplied (one at a time only)	Consumption without mains voltage supplied
150V	50V over 4C10	< 40mA
40V (split supply)	40V over 4C13	ca. 130mA
17V	17V over 4C11	ca. 420mA
9V	9V over 4C12	ca. 50mA
5V St. by	5V over 51C14	ca. 30mA

II

Test voltage supplied (Both voltages simultaneously)	Consumption when receiver is connected to 220V St. by Supply 17V over 57C1
17V over 4C11	ca. 760mA
9V over 4C12	ca. 230mA
Powerfail = 5V on 51TR6 collector	

Power Fail Blockdiagram



SLUTAFPRØVNING

Terminal (Beolink 1000)

Terminal sekvenser (aktiveringer) skal ske i hurtig rækkefølge. Display på skærmen

Tilslutninger

Beovisionen tilsluttes lysnettet og antennesignal.

Stand by

Hovedafbryder aktiveres → Rød prik i øverste højre hjørne.

Tænd

AV RADIO	→ Starter i Audio mode, aktiv audio forstærker og AUX 1 (LINE) indgang. 2 røde pile i højre hjørne.
TV	→ Starter på sidst benyttede program.
0 - 31	→ Starter på valgte program.

Teletekst

TEXT	→ Skifter til tekst mode.
Vælg en tekst side f.eks. 100.	
GOTO 1 0 0	→ Viser tekstsiden.

Antiope

Se betjeningsanvisning.

Tune

Direkte valg

Indstilling af ønsket frekvens f.eks. 543 MHz (kanal 30) på valgt program (0-31). Omregningstabell frekvens → kanal se betjeningsanvisning.

GOTO	→ Grøn display.
5 4 3	→ Gul display.

Store

Indstillede frekvens kan stores, til senere brug på valgte program.

STORE	→ Rød display.
STORE	→ Grøn display.
●	→ Stand By
Tryk det før valgte program.	
0 - 31	→ Starter på den Storede frekvens.

Tune

Søgning

Søgning under valgte program (0-31).

<< eller >>	→ TV stopper på næste sender frekvens.
--------------------------------	--

Finindstilling

AFC

Ønskede frekvens (billedet) er fundet.

Billedet står ikke skarpt.

GOTO	→ Gul display.
<< eller >>	→ AFC kan varieres i området fra -3 til 3.

FINAL TEST

Terminal (Beolink 1000)

Terminal sequences (activations) must take place in rapid succession. Display on the screen.

Connections

Connect the Beovision to the mains power supply and to aerial signal.

Stand by

Mains switch is activated → red light dot in upper righthand corner.

Switch on

AV RADIO	→ Starts in Audio mode, active ampl and AUX 1 (LINE) input. 2 red arrows in the right corner.
TV	→ Starts on the latest programme used.
0 - 31	→ Starts on selected programme.

Teletext

TEXT	→ Switches to text mode.
Choose a text page e.g. 100.	
GOTO 1 0 0	→ Shows the text page.

Antiope

See Owner's Manual.

Tune

Direct selection

Setting of frequency wanted e.g. 543 MHz (channel 30) on selected programme (0-31). Conversation table frequency → channel see Owner's manual.

GOTO	→ Green display
5 4 3	→ Yellow display

Store

The frequencies set can be stored for later use on selected programme.

STORE	→ Red display
STORE	→ Green display
●	→ Stand By

Press the programme selected before.

0 - 31	→ Starts at the frequency stored.
---------------	-----------------------------------

Tune

Search

Search during selected programme (0-31).

<< or >>	→ TV stops at next transmitter frequency.
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Fine tune

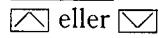
AFC

Frequency (picture) wanted has been found. The picture is unsharp.

GOTO	→ Yellow display.
<< or >>	→ AFC may vary in the range from -3 to 3.

Lys

Niveau

PICTURE → Grøn »BRILLIANCE XX« display.
 eller → Lys varieres op eller ned (0-62).

Farve

Niveau

PICTURE → BRILLIANCE xx grøn display.
PICTURE → COLOUR xx grøn display.
 eller → FARVE varieres op eller ned (0-62).

Kontrast

Niveau

PICTURE → BRILLIANCE xx grøn display.
PICTURE → COLOUR xx grøn display.
PICTURE → CONTRAST xx grøn display.
 eller → FARVE varieres op eller ned (0-63).

Lyd

Niveau

SOUND → VOLUME xx grøn display.
 eller → VOLUME varieres op eller ned (0-63).

To sprog

Ved modtagelse af tosprogede udsendelser kan der vælges.

TURN → Sprog A.
TURN → Sprog B.

Stereo lyd

Ved modtagelse af STEREO LYD skifter Beovisionen automatisk til STEREO, indikeret af rødt lys i øverste højre hjørne.

TURN → MONO lyd, intet rødt lys i øverste højre hjørne.
TURN → STEREO lyd, rødt lys i øverste højre hjørne.

Ved skift til anden STEREO udsendelse vil Beovisionen automatisk skifte til STEREO.

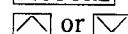
Brilliance

Level

PICTURE → Green BRILLIANCE xx display.
 or → Brilliance varies up or down (0-62).

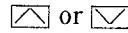
Colour

Level

PICTURE → BRILLIANCE xx green display.
PICTURE → COLOUR xx green display.
 or → COLOUR varies up or down (0-62).

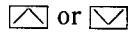
Contrast

Level

PICTURE → BRILLIANCE xx green display.
PICTURE → COLOUR xx green display.
PICTURE → CONTRAST xx green display.
 or → COLOUR varies up or down (0-63).

Sound

Level

SOUND → VOLUME xx green display.
 or → VOLUME varies up or down (0-63).

Dual languages

On reception of bi-lingual programmes, the following can be chosen.

TURN → Language A.
TURN → Language B.

Stereo sound

On reception of STEREO SOUND, the Beovision automatically switches to STEREO, indicated by a red light in the upper righthand corner.

TURN → MONO sound, no red light in upper righthand corner.
TURN → STEREO sound, red light in upper righthand corner.

When switching to different STEREO transmission the Beovision will automatically switch into STEREO.

Shift funktioner

Fjernsynet er i TV mode, hvis andet ikke er nævnt.

Tidskonstant

Ved aktivering af **SHIFT 2** ændres tidskonstanten til en perfekt synkronisering mellem fjernsyn og video-båndoptager (toggle funktion).

System B/G / System L

I multistandard modtagere bruges **SHIFT 3** til valg af hvilke programmer der skal modtage system B/G eller system L (Fransk standard) (toggle funktion).

LF sløjfe

Ved aktivering af **SHIFT 4** etableres der en signalmæssig forbindelse fra AUX 2 (21 polet A/V stik) til AUX 1 (line).

Hvis fjernsynet er i ST-BY og der kommer en **SHIFT 4** tændes det i LF mode med mutet lyd og der etableres en sløjfe fra AUX 2 til AUX 1.

Hvis fjernsynet er tændt og der kommer en **SHIFT 4** beholdes det valgte fjernsynsbillede, men der etableres en uafhængig signal sløjfe fra AUX 2 til AUX 1.

Denne signal sløjfe kan afbrydes med en **SHIFT 5**.

Skiftespænding

Ved aktivering af **SHIFT 6** er fjernsynet ikke følsom overfor 12 volt skiftespænding fra f.eks. en video-båndoptager.

Retur, fjernsynet bringes i ST BY.

To sprog

Ved aktivering af **SHIFT 8** er begge sprog til stede på AUX 2, 21 polet A/V stik.

Retur, fjernsynet skal foretage en tuning (programskift).

Shift functions

The TV-set is in TV mode, if nothing else is mentioned.

Time constant

When activating **SHIFT 2** the time constant is changed into a perfect synchronization between TV-set and video recorder (toggle function).

System B/G / System L

In multistandard receivers **SHIFT 3** is used to select the programmes which are to receive system B/G or system L (French standard) (toggle function).

LF loop

When activating **SHIFT 4** a signal connection is established from AUX 2 (21-pin A/V socket) to AUX 1 (line).

In case the TV is in ST-BY and a **SHIFT 4** occurs, it will switch on in LF mode with muted sound and a loop is established from AUX 2 to AUX 1.

In case the TV is switched on and a **SHIFT 4** occurs, the TV-picture selected is kept, however an independent signal loop is established from AUX 2 to AUX 1.

This signal loop can be disconnected by means of **SHIFT 5**.

Change over voltage

When activating **SHIFT 6** the TV-set is not sensitive towards 12 Volt change over voltage from e.g. a video recorder.

Return, the TV-set is set in ST BY.

Two languages

When activating **SHIFT 8** both languages are present in AUX 2, 21-pin A/V socket.

Return, the TV-set must undertake a tuning (programme switch).

ISOLATIONSTEST

Ethvert apparat *skal* isolationstestes efter at det har været adskilt. Testen udføres når apparatet igen er helt samlet og klar til udlevering til kunden.

Isolationstesten udføres på følgende måde:

De to stikben på netstikket kortsluttes og tilsluttes en af terminalerne på isolationstesteren. Den anden terminal fra isolationstesteren tilsluttes stelbenet i en af højttalerstikdåserne.

Netafbryderen sættes i ON position.

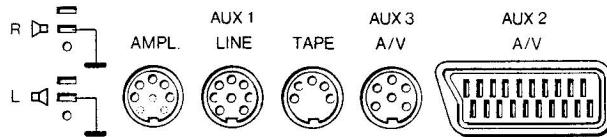
INSULATION TEST

Each set *must* be insulation tested after it has been dismantled. The test is to be carried out when the set has been re-assembled and is ready for delivery to the customer.

The insulation test is carried out in the following way:

Short-circuit the two plug pins of the main plug and connect one of the terminals of the insulation tester. Connect the other terminal of the insulation tester to the chassis pin of one of the loudspeaker sockets.

Set the mains switch in ON position.



OBS!

For at undgå beskadigelser på apparatet er det vigtigt, at begge terminaler fra isolationstesteren har virkelig god kontakt.

Der drejes nu langsomt med spændingsreguleringen på isolationstesteren indtil en spænding på 1,5-2 kV er opnået. Her skal den holdes i 1 sekund, derefter drejes der langsomt ned for spændingen igen.

Der må ikke på noget tidspunkt under testen forekomme overslag.

NOTE!

To avoid damaging the set, it is essential that both insulator test terminals are in really good contact.

Now turn slowly the voltage control down on the insulation tester until a voltage of 1.5-2 kV is obtained. Hold it there for 1 sec, then turn slowly the voltage down again.

Flashovers are not permitted during the testing procedure.